

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\  
 Data File : VN060274.D  
 Acq On : 28 Feb 2020 11:05  
 Operator : JC/MD  
 Sample : VN0228WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2020 11:00:44 AM

Quant Time: Feb 29 00:49:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 218912   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 352375   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 323617   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 156402   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 134473   | 47.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.76%  |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 92337    | 56.45 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.90% |      |
| 50) Toluene-d8            | 10.08  | 98  | 397612   | 48.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.06%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 148409   | 47.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.58%  |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 37543  | 18.705 | ug/l | 97     |
| 3) Chloromethane              | 2.04 | 50  | 59263  | 16.959 | ug/l | 97     |
| 4) Vinyl Chloride             | 2.16 | 62  | 51298  | 17.117 | ug/l | 100    |
| 5) Bromomethane               | 2.55 | 94  | 21237  | 15.969 | ug/l | 97     |
| 6) Chloroethane               | 2.68 | 64  | 28187  | 17.360 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 68616  | 17.921 | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 26126  | 18.072 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 40283  | 18.590 | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 36476  | 18.444 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 36951  | 88.601 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 39942  | 18.944 | ug/l | 97     |
| 13) Acrolein                  | 3.57 | 56  | 35074  | 90.148 | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 65627  | 16.924 | ug/l | 91     |
| 15) Acrylonitrile             | 4.94 | 53  | 96571  | 87.850 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 73581  | 81.125 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.03 | 76  | 104680 | 18.309 | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 50170  | 16.575 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 138850 | 18.184 | ug/l | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 43670  | 17.532 | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 40915  | 17.833 | ug/l | 96     |
| 22) Diisopropyl ether         | 5.91 | 45  | 142947 | 18.199 | ug/l | 94     |
| 23) Vinyl Acetate             | 5.86 | 43  | 574322 | 92.015 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 80861  | 18.186 | ug/l | 98     |
| 25) 2-Butanone                | 6.80 | 43  | 124143 | 84.738 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 74541  | 18.415 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 49318  | 17.075 | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 32036  | 17.549 | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.18 | 42  | 86855  | 85.256 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 79619  | 17.988 | ug/l | 97     |
| 31) Cyclohexane               | 7.63 | 56  | 73524  | 18.534 | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 71956  | 18.348 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 60147  | 17.910 | ug/l | 100    |
| 37) Ethyl Acetate             | 6.89 | 43  | 56106  | 17.644 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 59635  | 18.239 | ug/l | 97     |

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 Sample : VN0228WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0228WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2020 11:00:44 AM

Quant Time: Feb 29 00:49:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 71982    | 18.179  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 175511   | 17.956  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.13  | 41   | 20935    | 14.258  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 64302    | 18.230  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 99367    | 17.849  | ug/l   | 99       |
| 44) Trichloroethene            | 8.81  | 130  | 49190    | 18.069  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 47919    | 18.751  | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 29648    | 17.879  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.38  | 83   | 62057    | 18.400  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 42719    | 16.828  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 13123    | 367.595 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 277599   | 87.949  | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 110119   | 17.935  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 72784    | 17.613  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 77648    | 18.133  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 44314    | 17.947  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 63027    | 17.767  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 74247    | 18.438  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 167585   | 90.329  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 199436   | 86.057  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 45123    | 17.970  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 42430    | 17.628  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 51854    | 19.488  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 116101   | 17.767  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 43734    | 18.101  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 217162   | 18.249  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.61 | 106  | 161794   | 36.036  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 78005    | 18.219  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 123684   | 17.571  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 30435    | 17.478  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.24 | 105  | 208761   | 18.009  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.06 | 43   | 85588    | 16.896  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 56088    | 17.800  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 54026m   | 15.744  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 50741    | 17.857  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 244299   | 17.979  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 142992   | 17.902  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 178430   | 18.281  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 21524    | 17.315  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 148682   | 17.668  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 153884   | 18.210  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 177557   | 18.023  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 206264   | 18.228  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 185489   | 17.710  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 90954    | 18.508  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 91081    | 18.543  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 170653   | 17.749  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 27242    | 17.969  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 89223    | 17.919  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 11866    | 16.629  | ug/l   | 99       |

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Sample : VN0228WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

Manual Integrations  
APPROVED

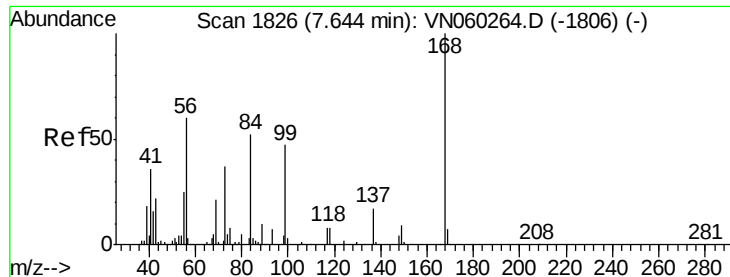
MMDadoda  
3/2/2020 11:00:44 AM

Quant Time: Feb 29 00:49:36 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 58785    | 18.636 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.00 | 225  | 28994    | 19.588 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 163971   | 17.418 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 56027    | 18.689 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion:168 Resp: 218912

Ion Ratio Lower Upper

168 100

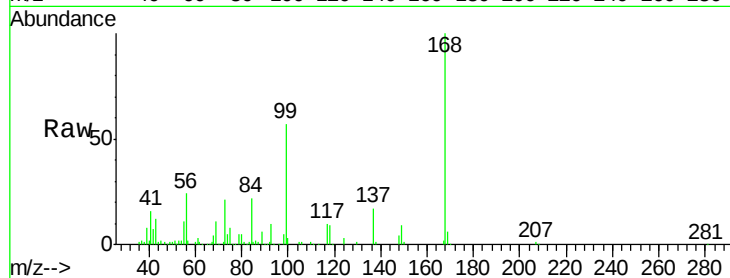
99 56.7 44.7 67.1

Manual Integrations

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3/2/2020 11:00:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

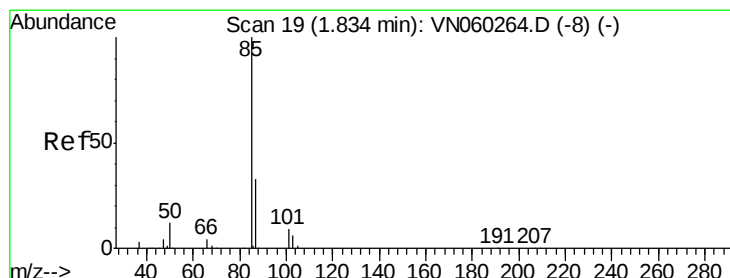
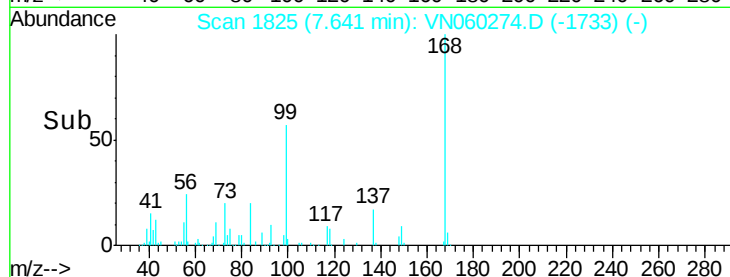
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.705 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060274.D

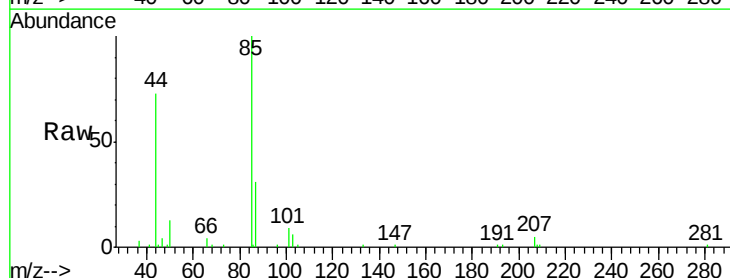
Acq: 28 Feb 2020 11:05

Tgt Ion: 85 Resp: 37543

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

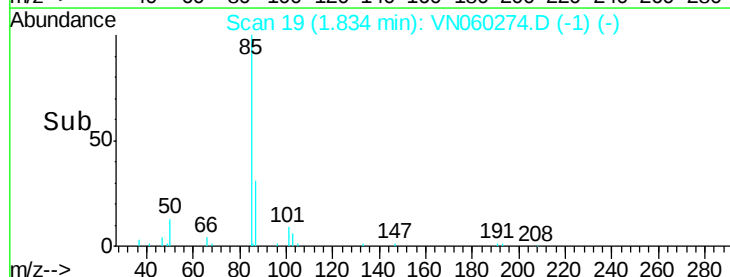
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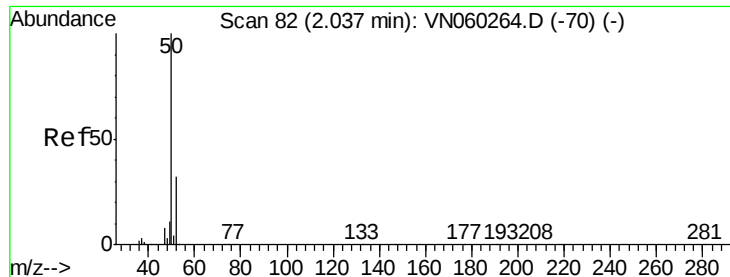
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.959 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 50 Resp: 59263

Ion Ratio Lower Upper

50 100

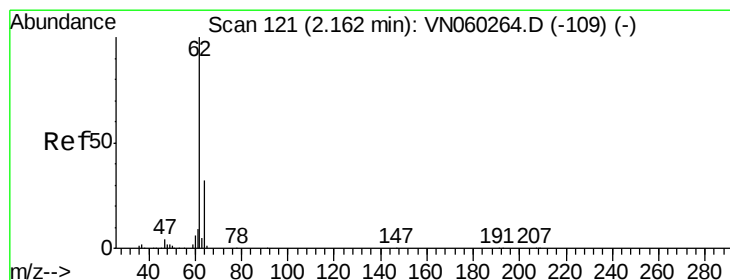
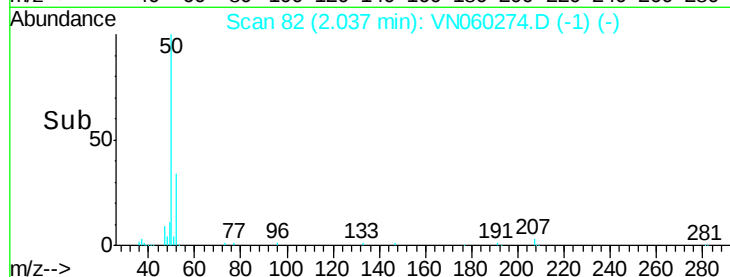
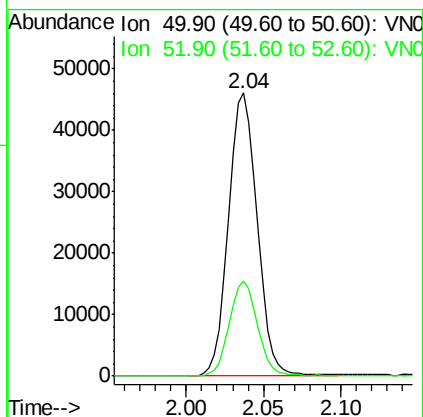
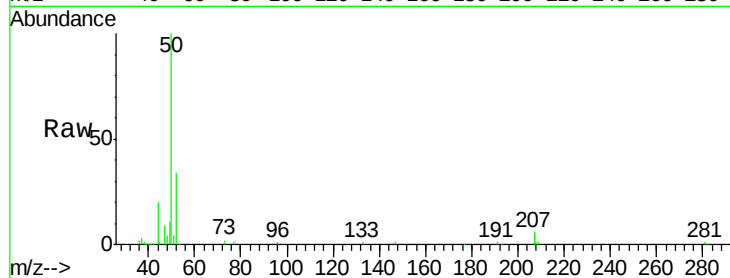
52 33.8 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/2/2020 11:00:44 AM



#4

Vinyl Chloride

Concen: 17.117 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060274.D

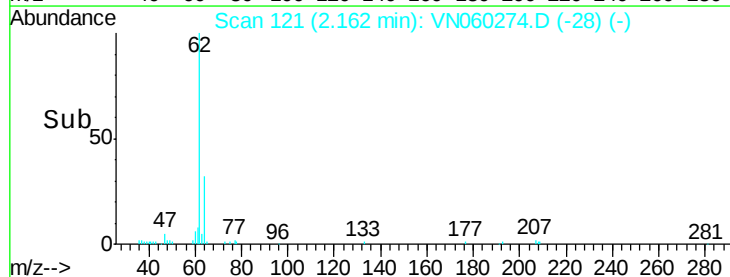
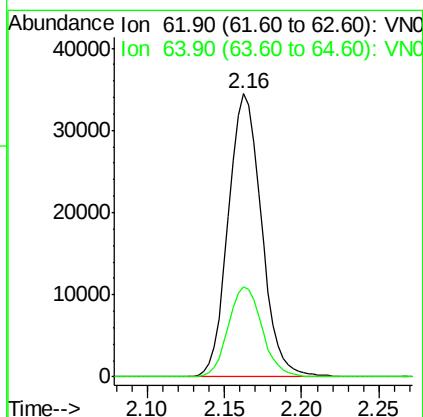
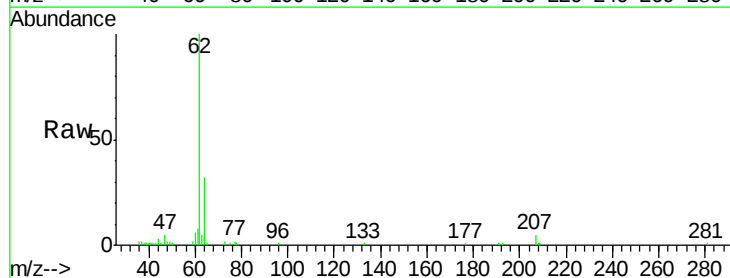
Acq: 28 Feb 2020 11:05

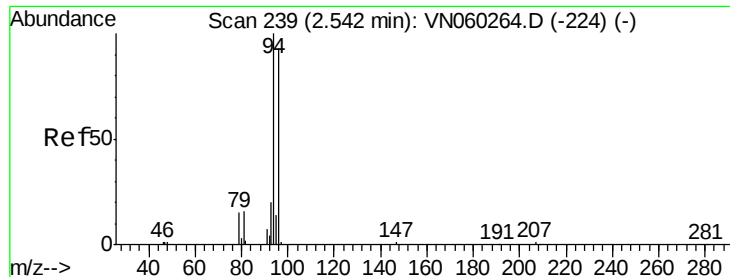
Tgt Ion: 62 Resp: 51298

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 15.969 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBS01

Tot Ion: 94 Resp: 21237

Ion Ratio Lower Upper

94 100

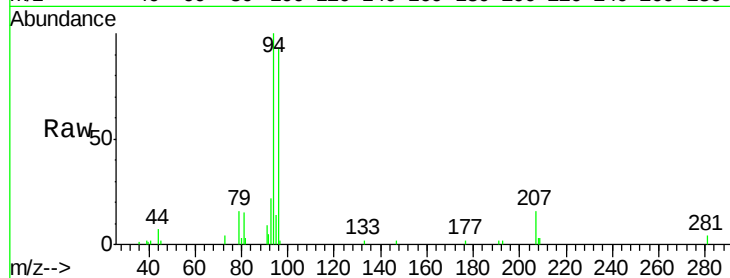
96 90.1 74.3 111.5

Manual Integrations

APPROVED

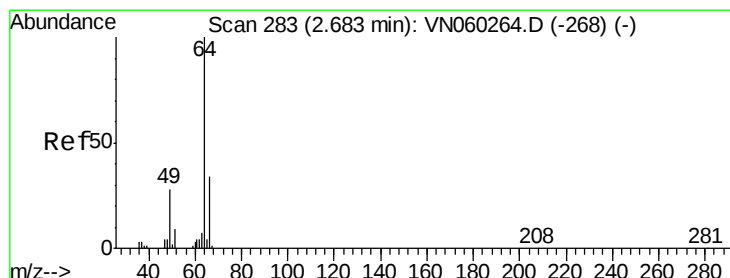
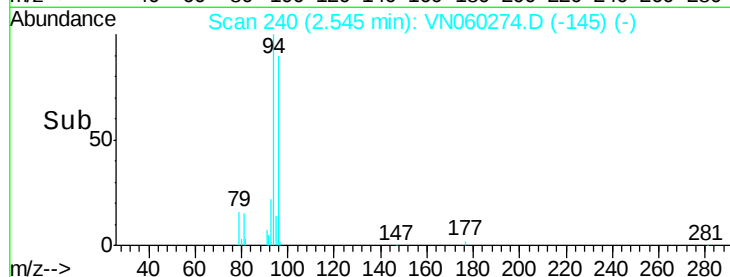
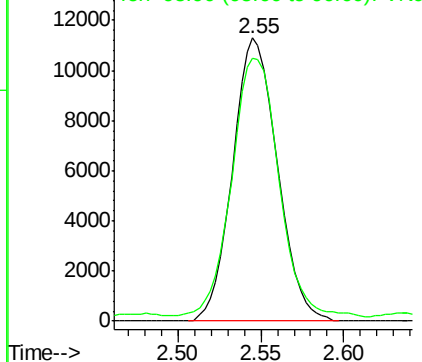
MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.360 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060274.D

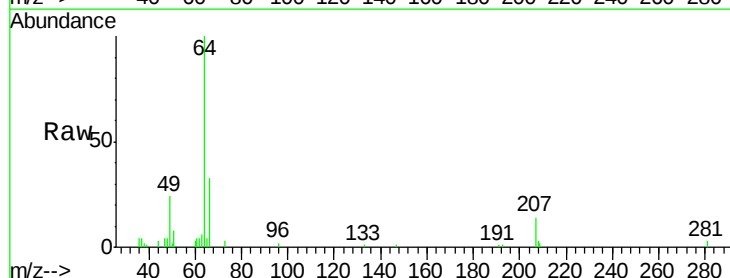
Acq: 28 Feb 2020 11:05

Tgt Ion: 64 Resp: 28187

Ion Ratio Lower Upper

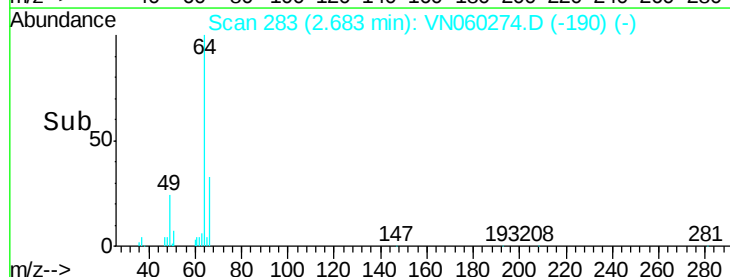
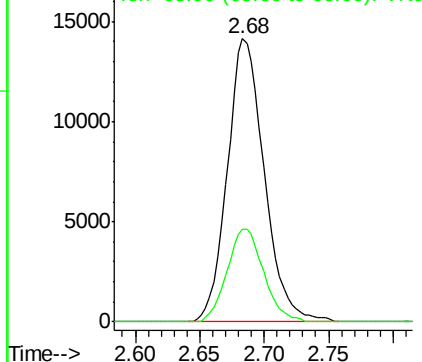
64 100

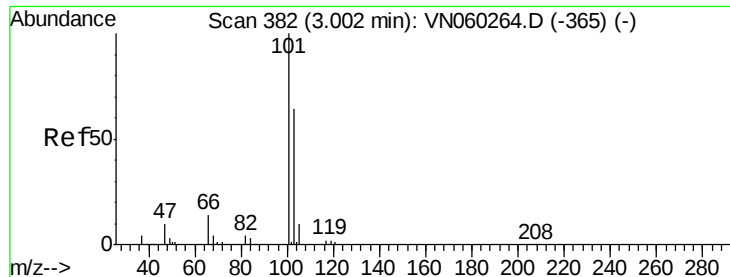
66 32.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

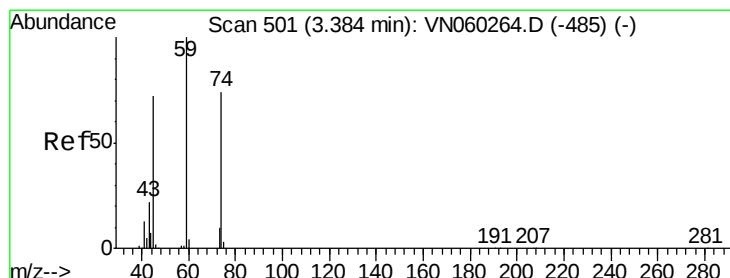
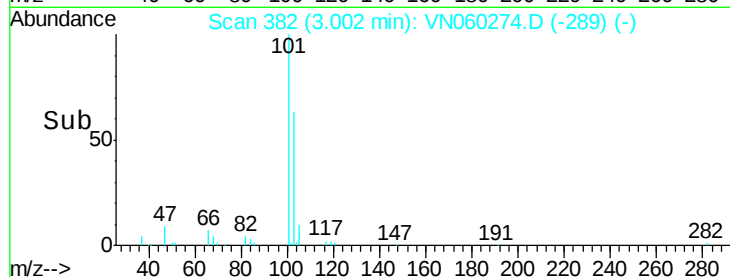
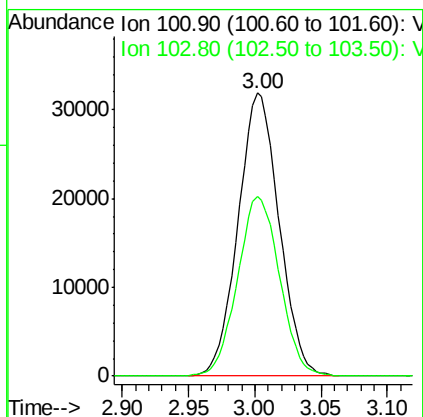
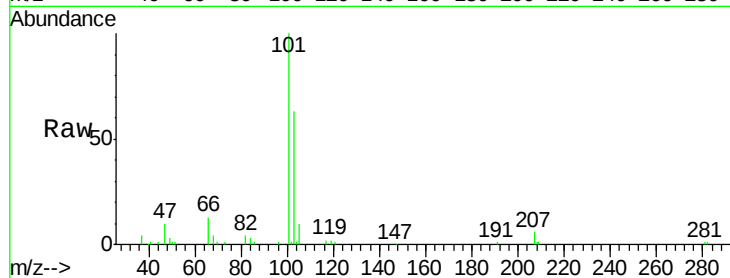
Trichlorofluoromethane  
Concen: 17.921 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.3  | 51.3  | 76.9  |

Manual Integrations  
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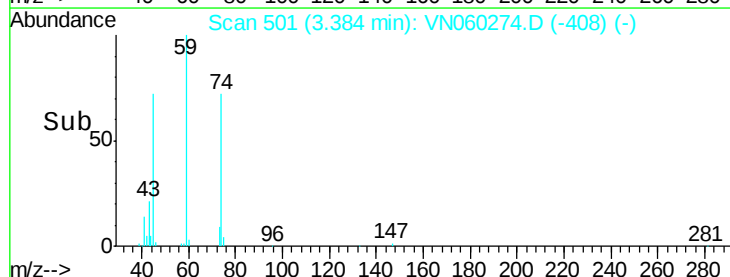
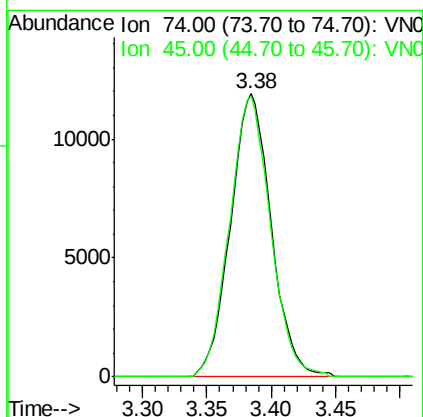
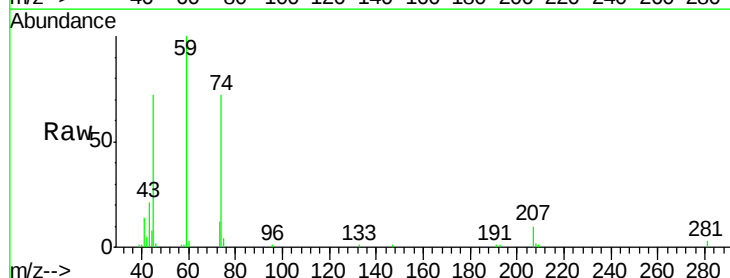
MMDadoda  
3/2/2020 11:00:44 AM

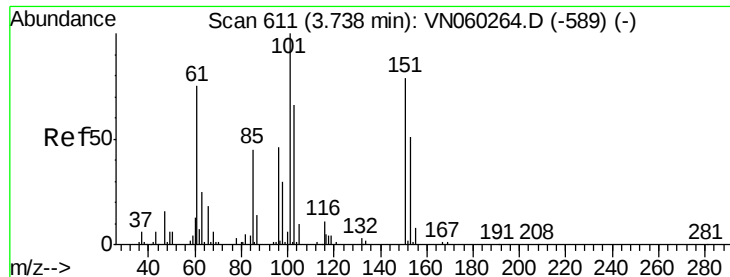


#8

Diethyl Ether  
Concen: 18.072 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.6  | 49.5  | 148.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.590 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

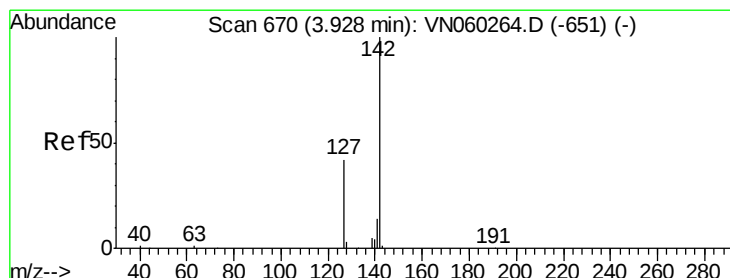
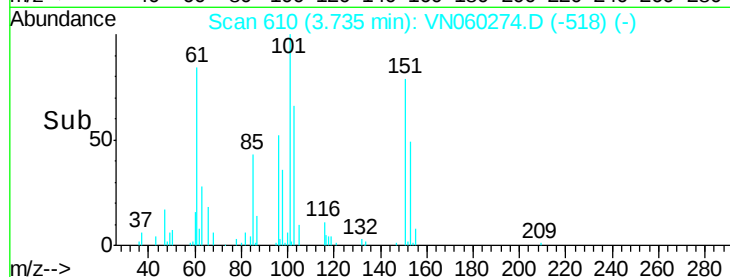
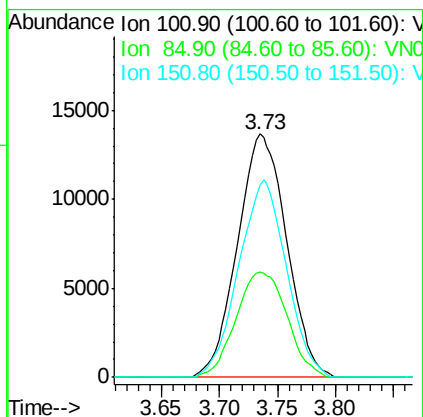
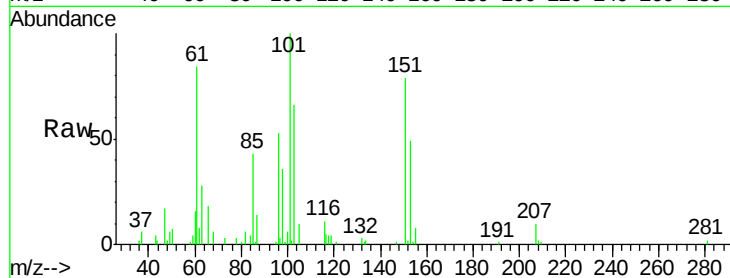
ClientSampleId :

VN0228WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 40283 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.9  | 35.4  | 53.2  |
| 151       | 78.7  | 62.0  | 93.0  |

Manual Integrations  
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MMDadoda  
3/2/2020 11:00:44 AM



#10

Methyl Iodide

Concen: 18.444 ug/l

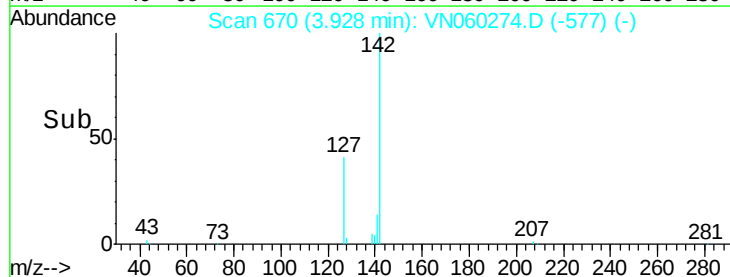
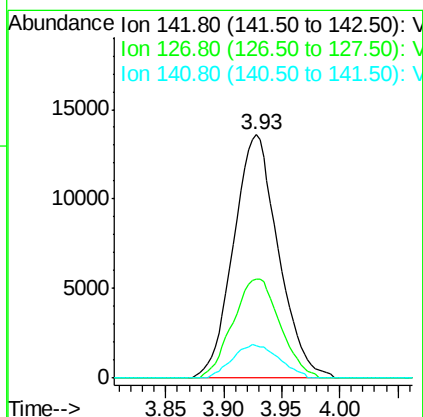
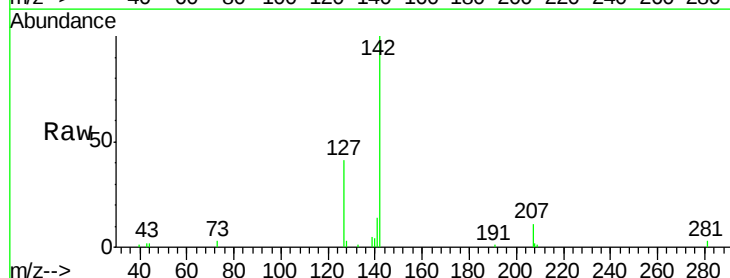
RT: 3.93 min Scan# 670

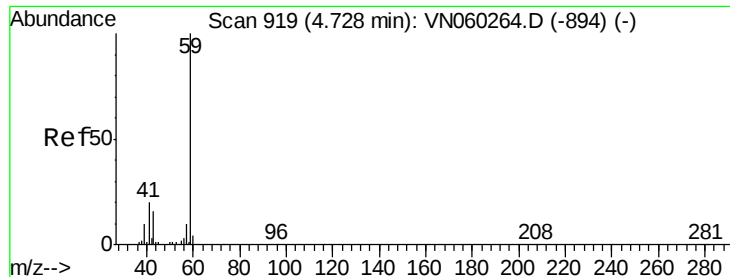
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 36476 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.8  | 33.8  | 50.6  |
| 141       | 14.3  | 11.1  | 16.7  |





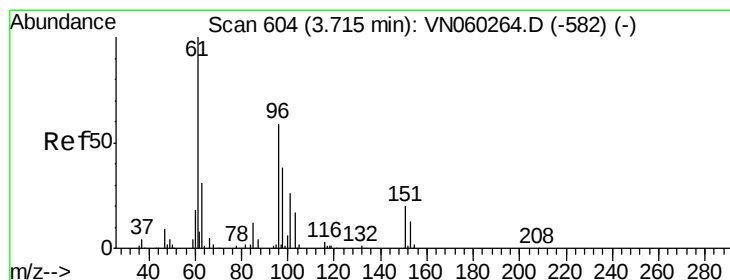
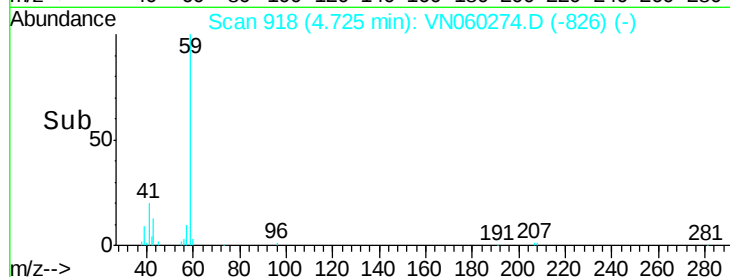
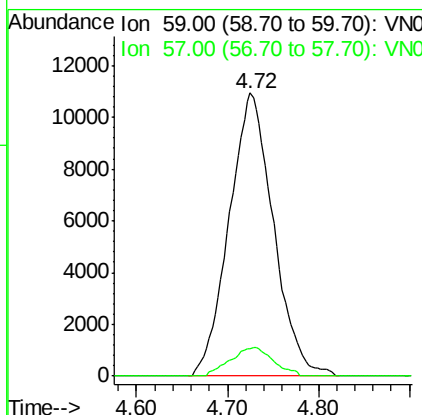
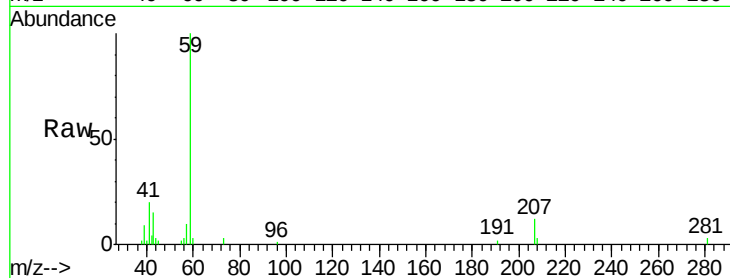
#11  
Tert butyl alcohol  
Concen: 88.601 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.8   | 8.2   | 12.2  |

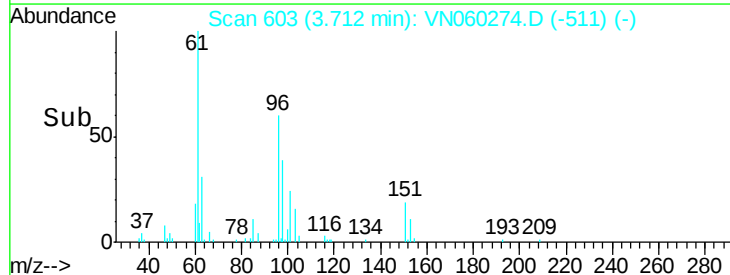
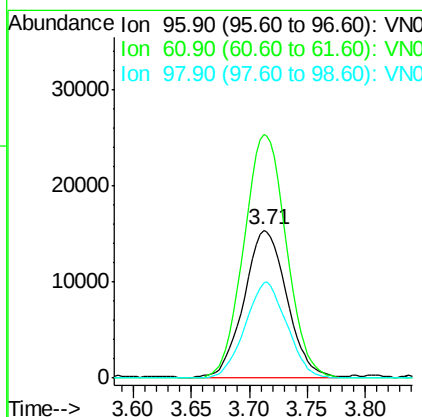
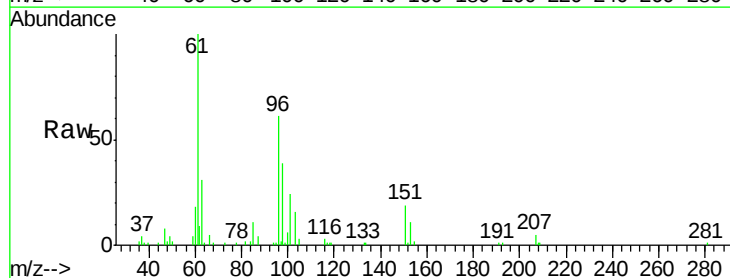
Manual Integrations  
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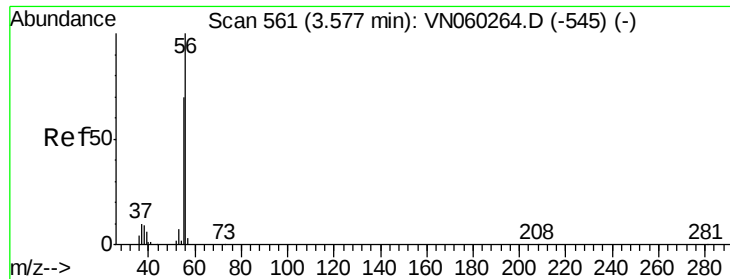
MMDadoda  
3/2/2020 11:00:44 AM



#12  
1,1-Dichloroethene  
Concen: 18.944 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 164.5 | 135.4 | 203.0 |
| 98      | 63.9  | 51.6  | 77.4  |





#13

Acrolein

Concen: 90.148 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 56 Resp: 35074

Ion Ratio Lower Upper

56 100

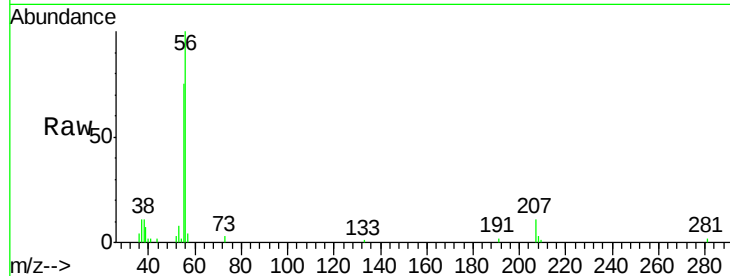
55 73.5 57.4 86.0

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3/2/2020 11:00:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060274.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060274.D (-545) (-)

3.57

15000

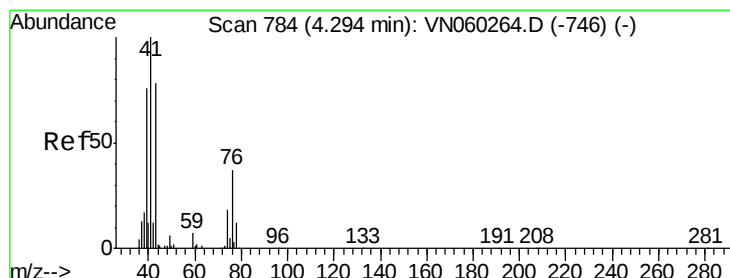
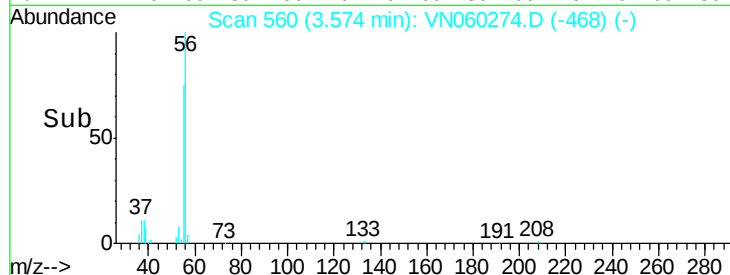
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 16.924 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

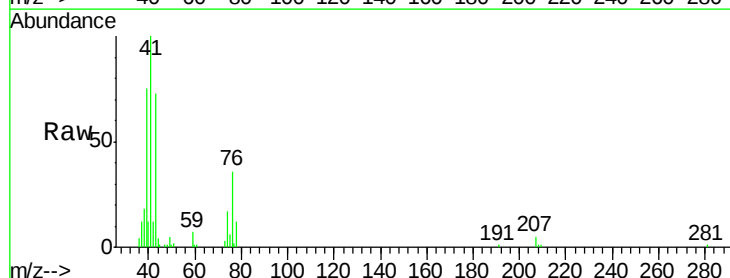
Tgt Ion: 41 Resp: 65627

Ion Ratio Lower Upper

41 100

39 77.9 55.4 83.2

76 37.0 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060274.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060274.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060274.D (-691) (-)

4.29

30000

25000

20000

15000

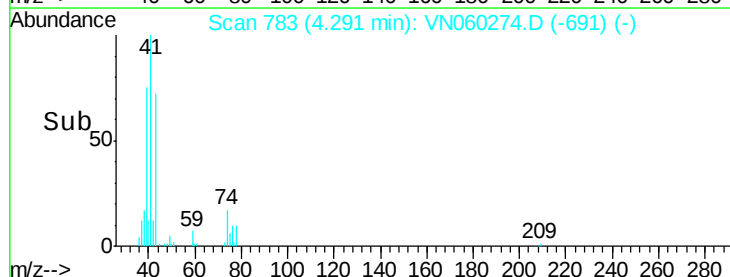
10000

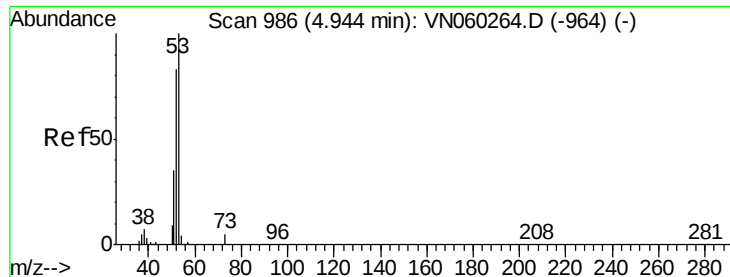
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 87.850 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

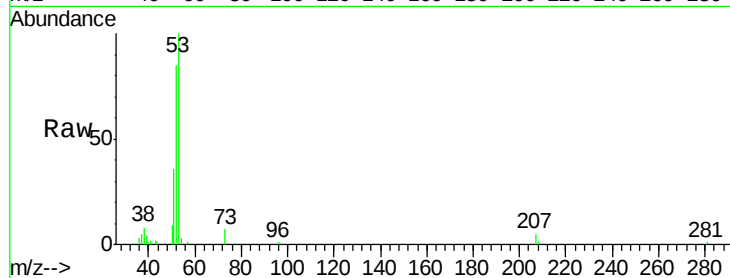
ClientSampleId :

VN0228WBS01

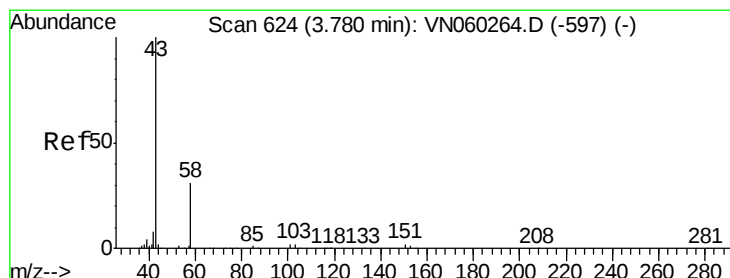
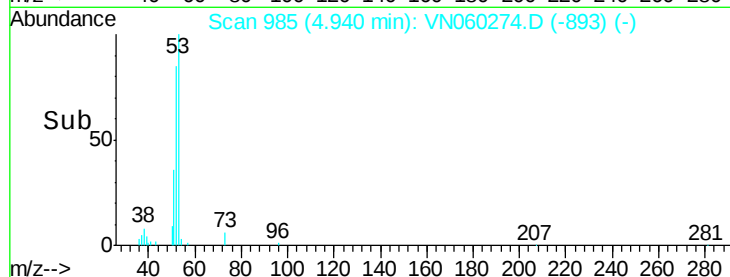
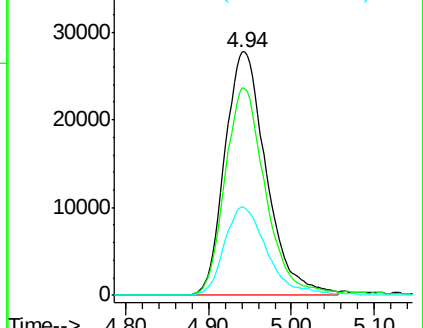
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 96571 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.0  | 66.8  | 100.2 |
| 51       | 37.2  | 29.0  | 43.6  |

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Abundance Ion 53.00 (52.70 to 53.70): VN060274.D (-964) (-)



#16

Acetone

Concen: 81.125 ug/l

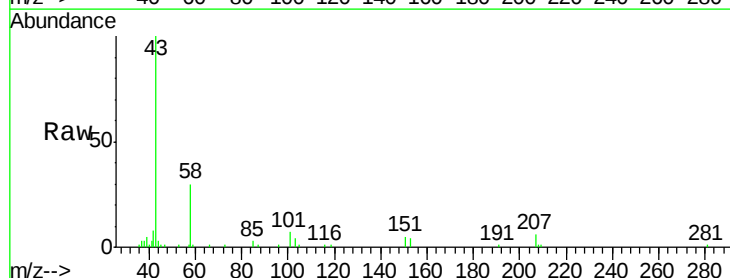
RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

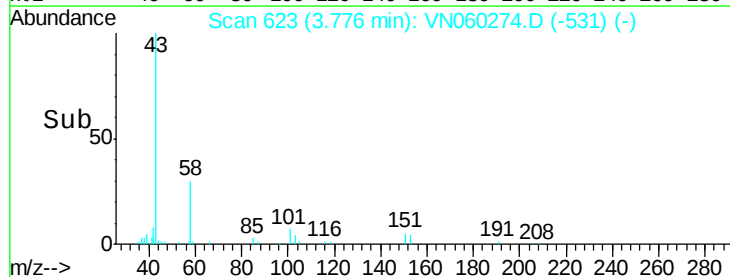
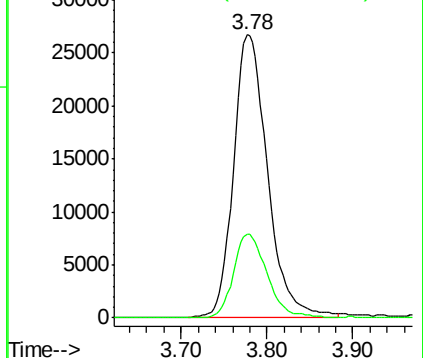
Lab File: VN060274.D

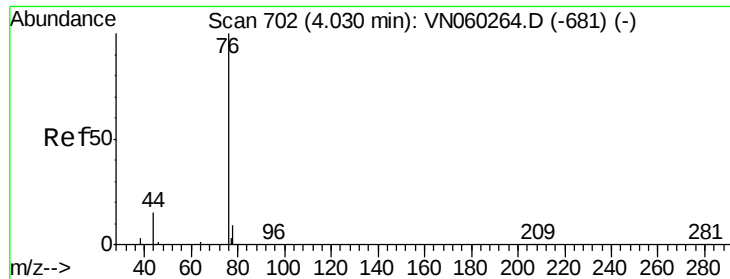
Acq: 28 Feb 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 73581 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.7  | 24.6  | 36.8  |



Abundance Ion 43.00 (42.70 to 43.70): VN060274.D (-531) (-)





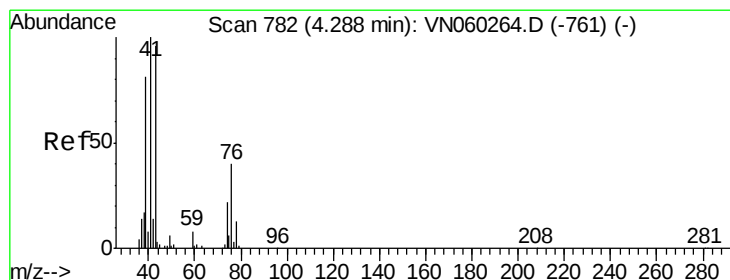
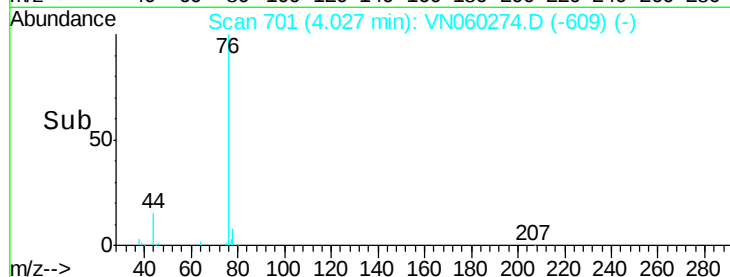
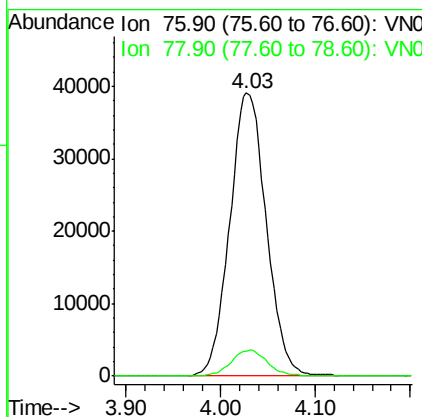
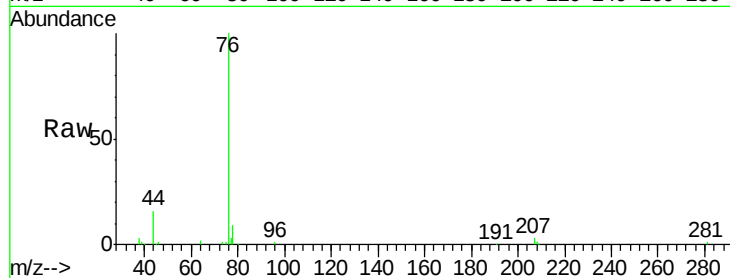
#17  
Carbon Disulfide  
Concen: 18.309 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 76      | 100   | 104680 |       |       |
| 78      | 8.9   |        | 7.4   | 11.0  |

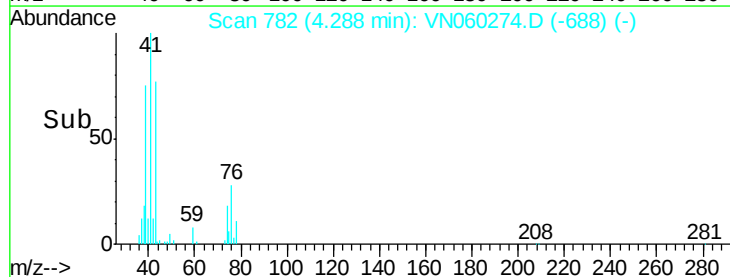
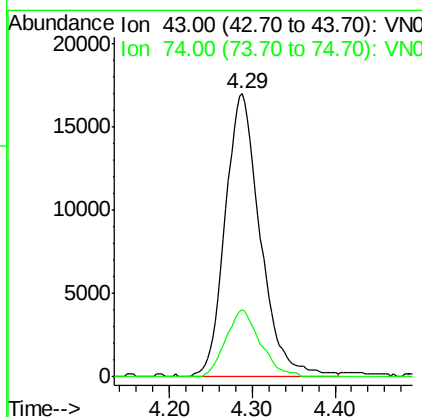
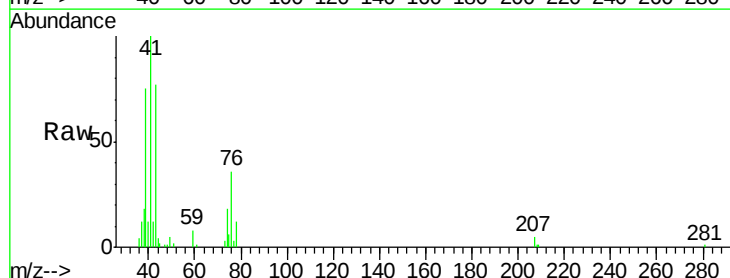
Manual Integrations  
APPROVED

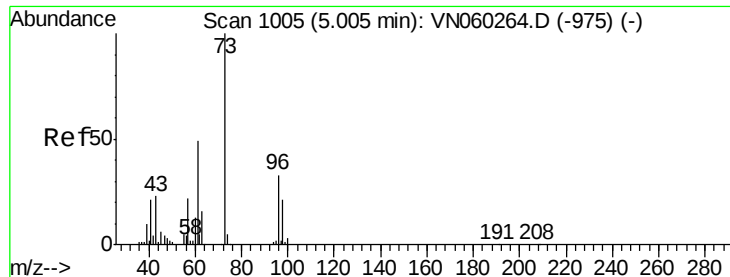
MMDadoda  
3/2/2020 11:00:44 AM



#18  
Methyl Acetate  
Concen: 16.575 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 50170 |       |       |
| 74      | 23.2  |       | 18.8  | 28.2  |





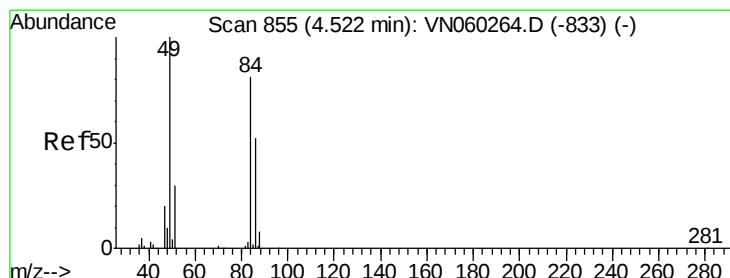
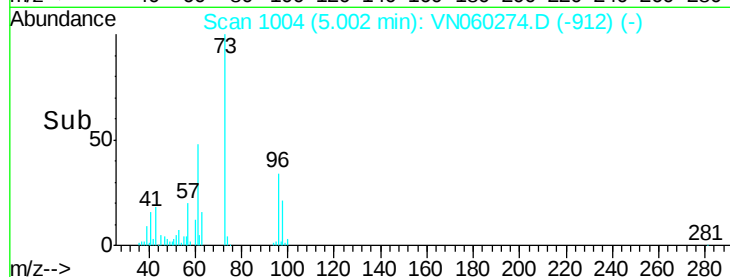
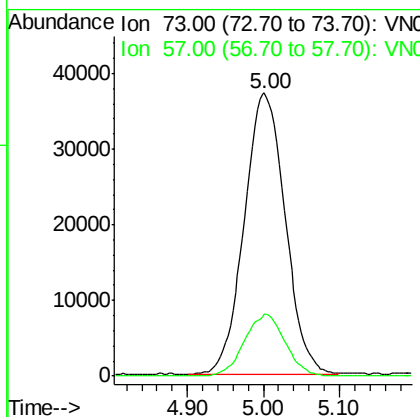
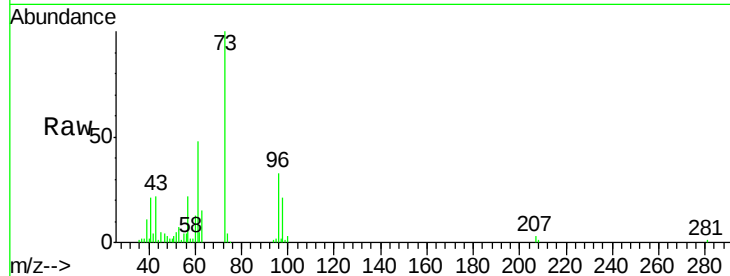
#19  
Methvl tert-butvl Ether  
Concen: 18.184 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 73      | 73  | 100   |       |       |
| 57      | 57  | 22.1  | 17.3  | 25.9  |

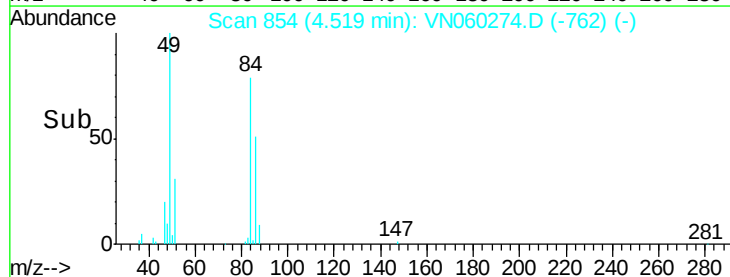
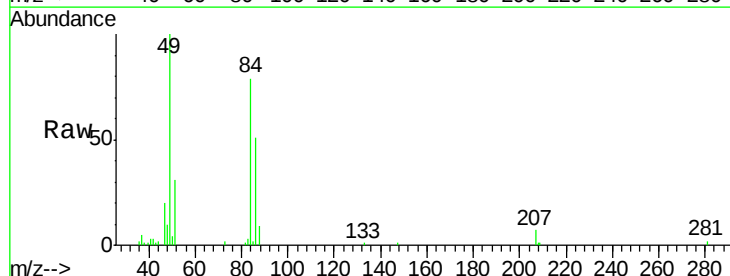
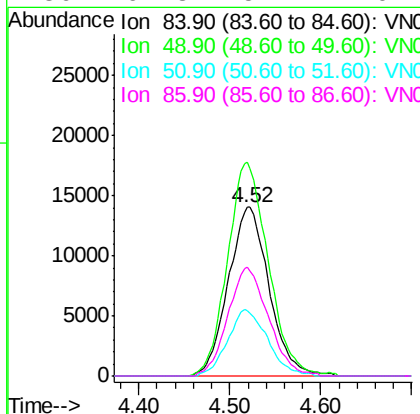
Manual Integrations  
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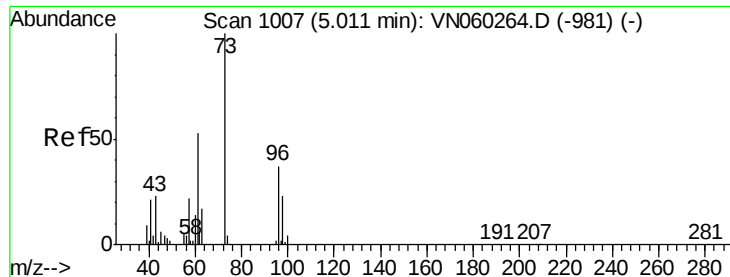
MMDadoda  
3/2/2020 11:00:44 AM



#20  
Methylene Chloride  
Concen: 17.532 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 84      | 84  | 100   |       |       |
| 49      | 49  | 126.5 | 99.3  | 148.9 |
| 51      | 51  | 38.8  | 30.1  | 45.1  |
| 86      | 86  | 64.3  | 51.1  | 76.7  |





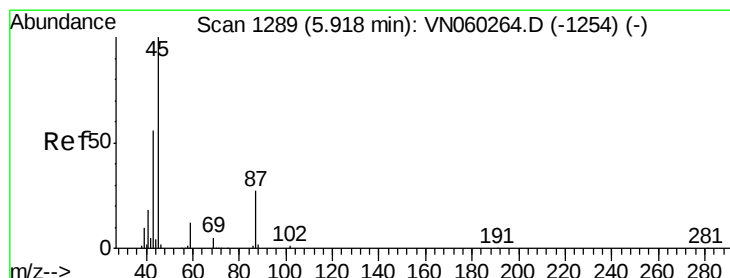
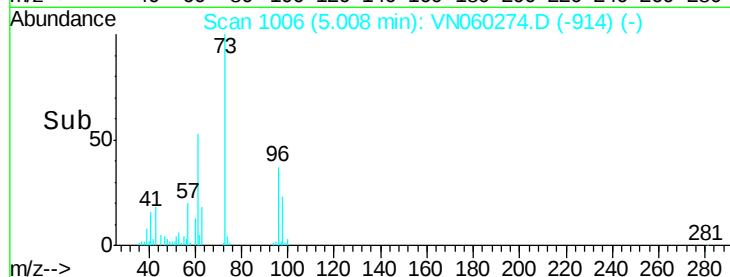
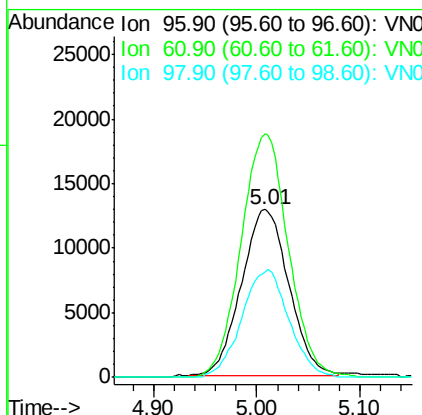
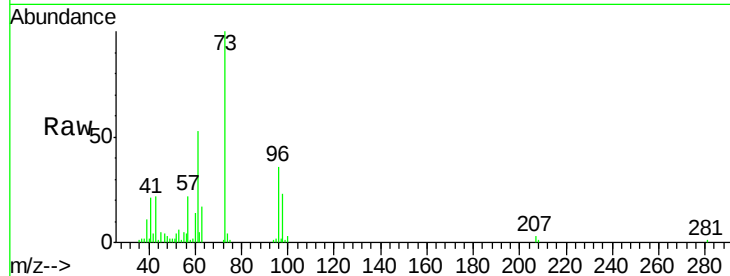
#21  
trans-1,2-Dichloroethene  
Concen: 17.833 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.0 | 113.8 | 170.8 |
| 98      | 63.7  | 48.8  | 73.2  |

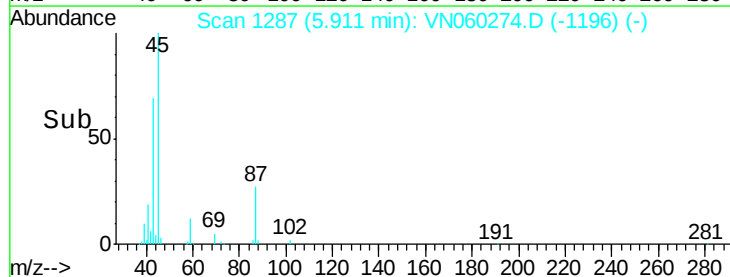
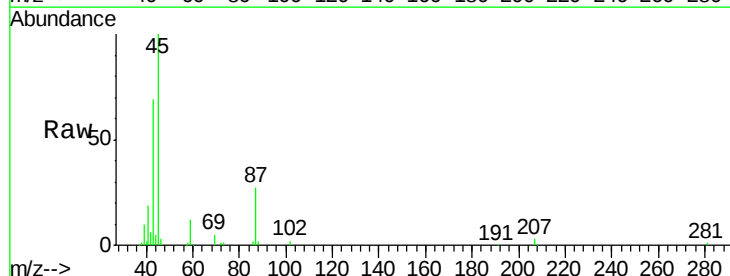
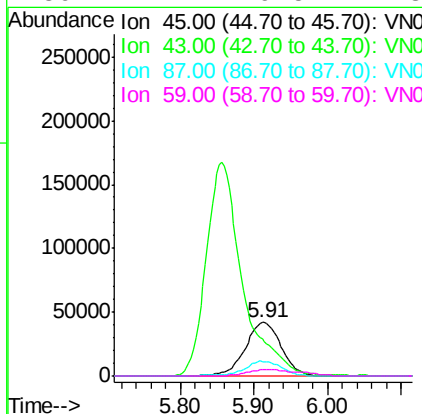
Manual Integrations  
APPROVED

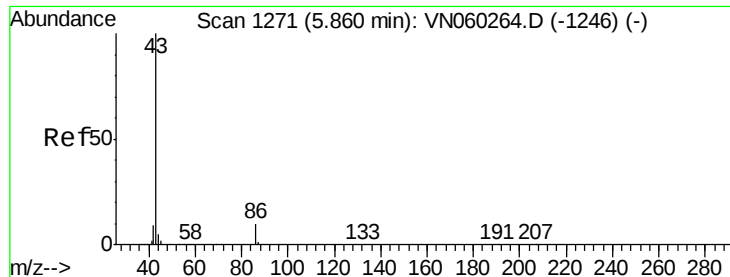
MMDadoda  
3/2/2020 11:00:44 AM



#22  
Diisopropyl ether  
Concen: 18.199 ug/l  
RT: 5.91 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 67.2  | 48.6  | 72.8  |
| 87      | 27.3  | 22.2  | 33.2  |
| 59      | 11.2  | 9.5   | 14.3  |





#23

Vinyl Acetate

Concen: 92.015 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 43 Resp: 574322

Ion Ratio Lower Upper

43 100

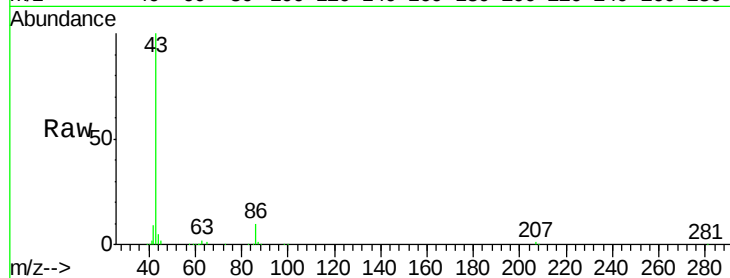
86 10.1 8.0 12.0

Manual Integrations

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MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

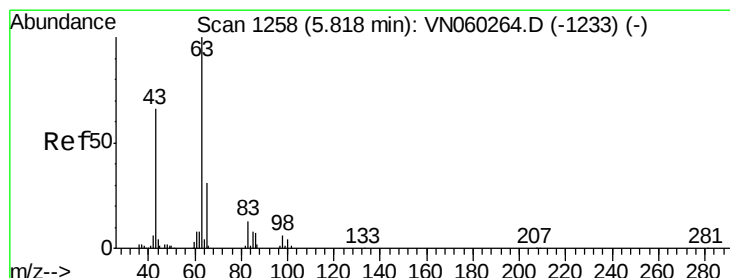
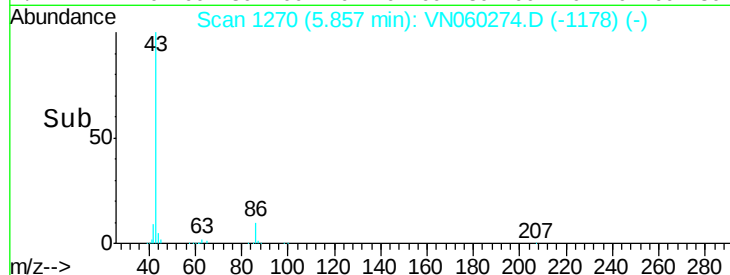
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.186 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

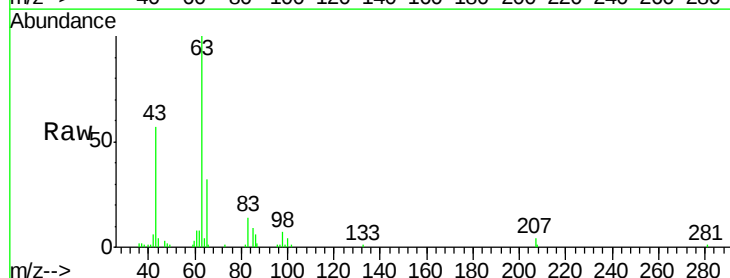
Tgt Ion: 63 Resp: 80861

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.81

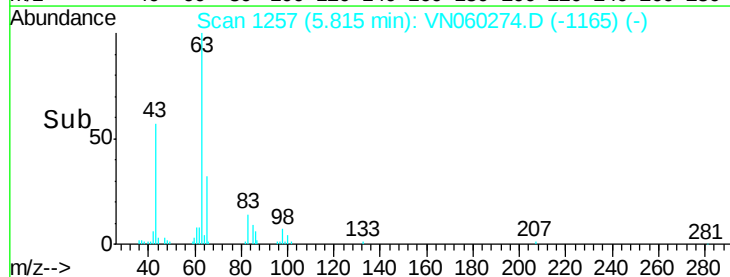
30000

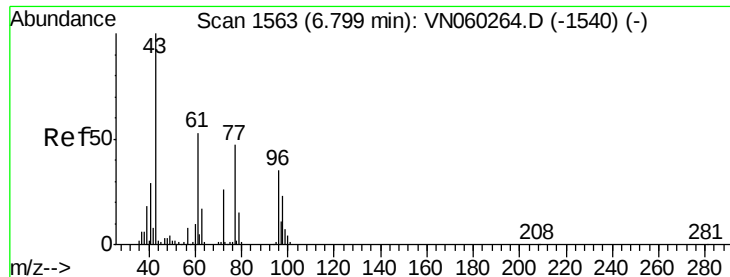
20000

10000

0

Time-->





#25

2-Butanone

Concen: 84.738 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBS01

Tot Ion: 43 Resp: 124143

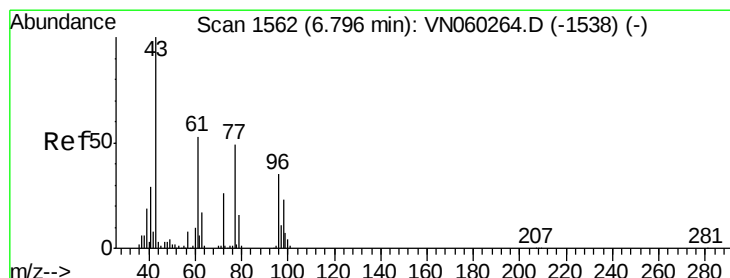
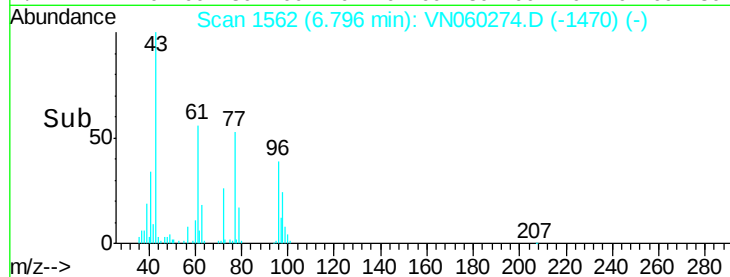
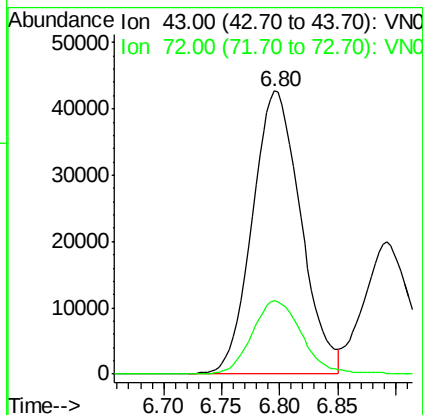
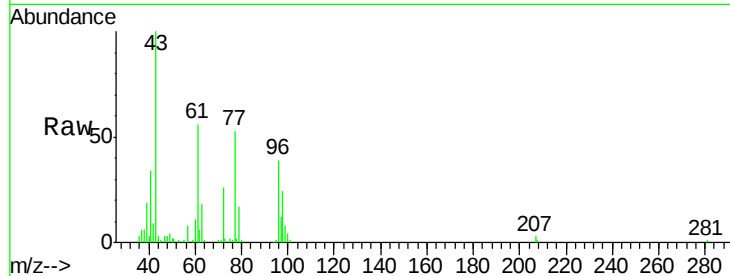
Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3

Manual Integrations  
APPROVED

MMDadoda  
3/2/2020 11:00:44 AM



#26

2,2-Dichloropropane

Concen: 18.415 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060274.D

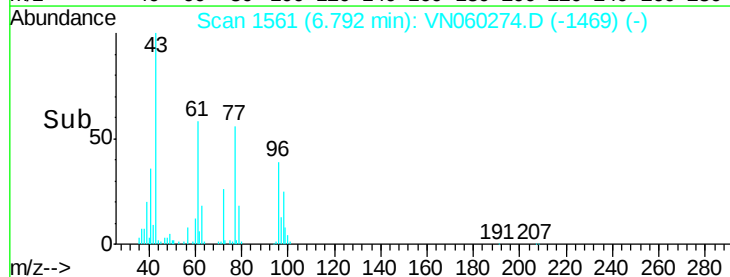
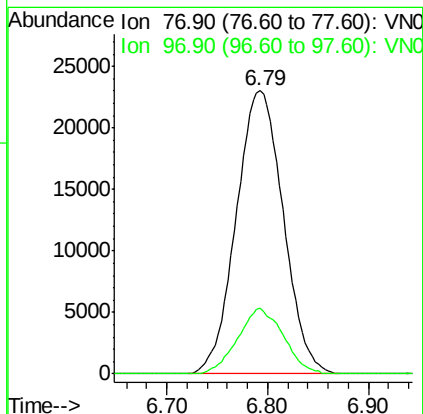
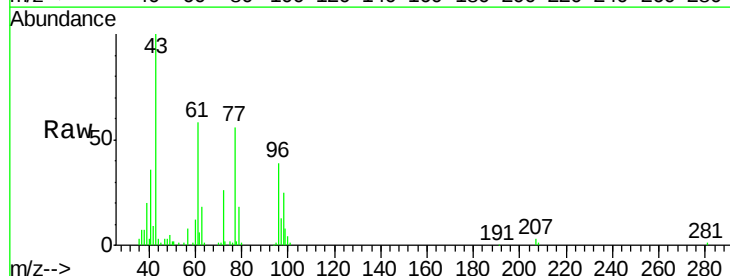
Acq: 28 Feb 2020 11:05

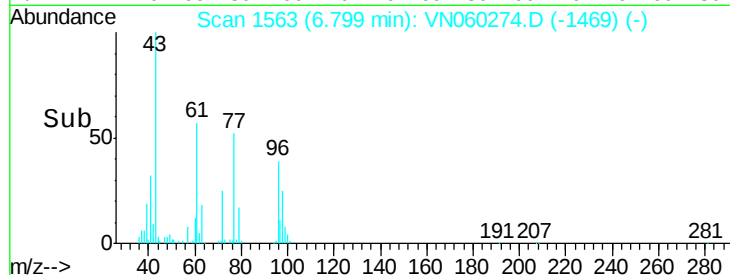
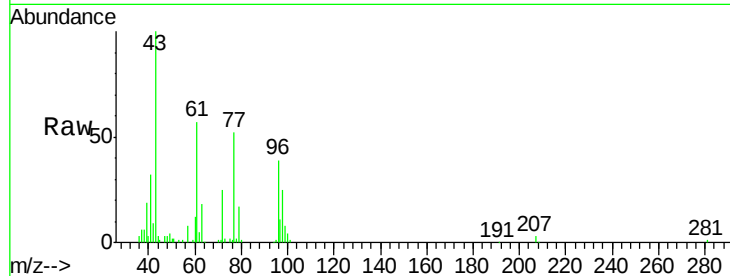
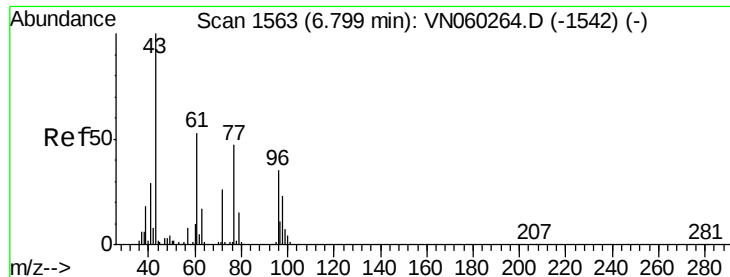
Tgt Ion: 77 Resp: 74541

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.075 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 49318 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 149.1 | 0.0   | 300.8 |
| 98       | 63.2  | 0.0   | 128.2 |

Instrument :

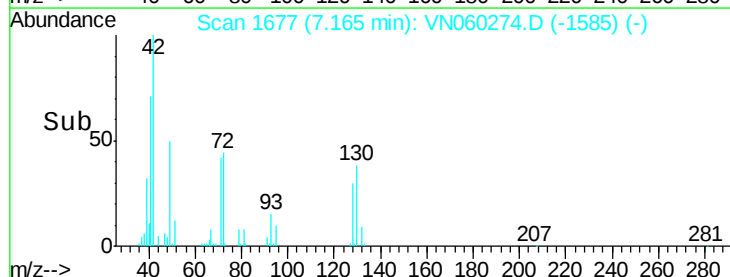
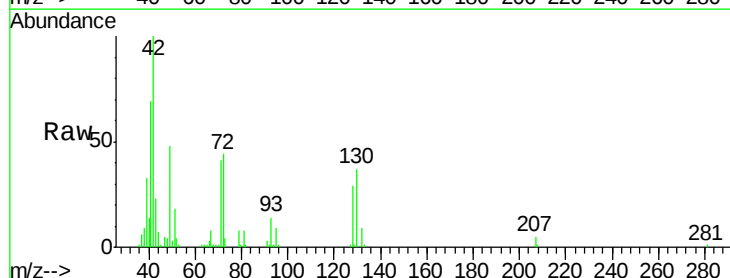
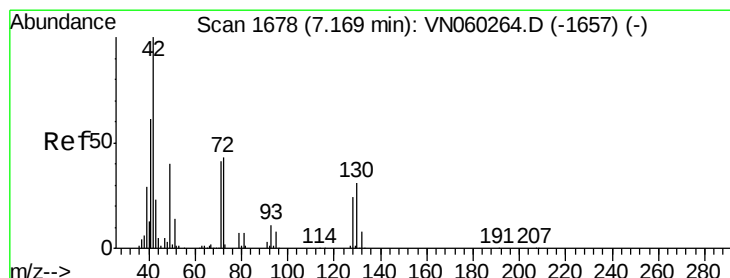
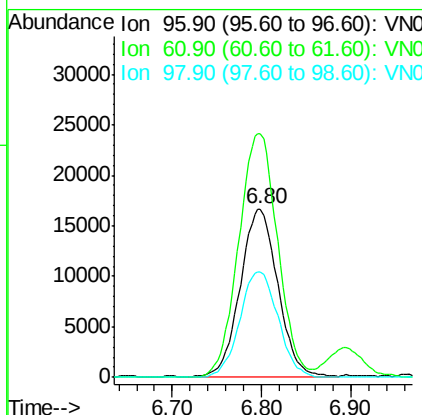
MSVOA\_N

ClientSampleId :

VN0228WBS01

Manual Integrations  
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MMDadoda  
3/2/2020 11:00:44 AM



#28

Bromochloromethane

Concen: 17.549 ug/l

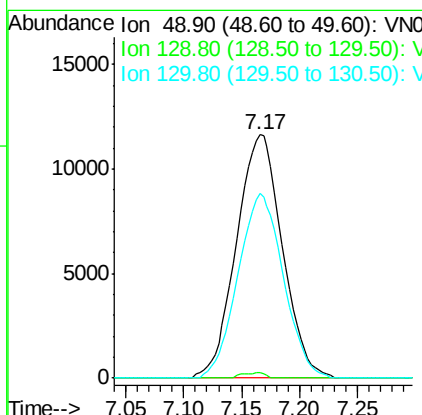
RT: 7.17 min Scan# 1677

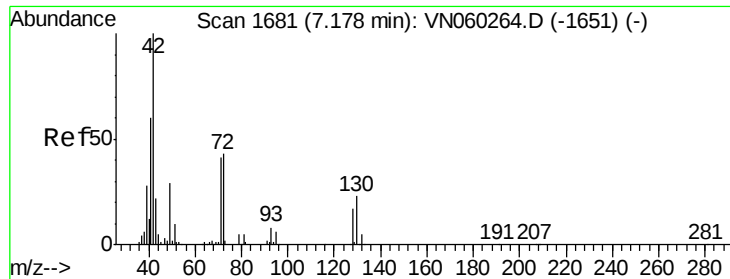
Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 32036 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.1   | 0.0   | 3.8   |
| 130      | 74.9  | 59.8  | 89.8  |





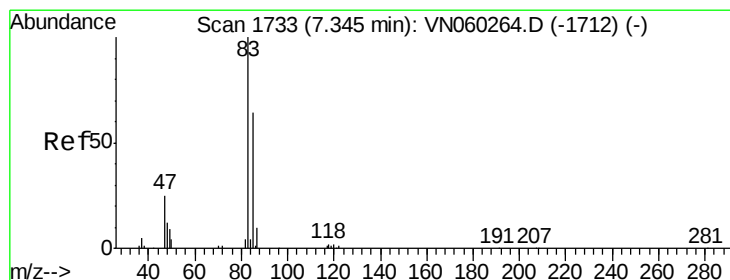
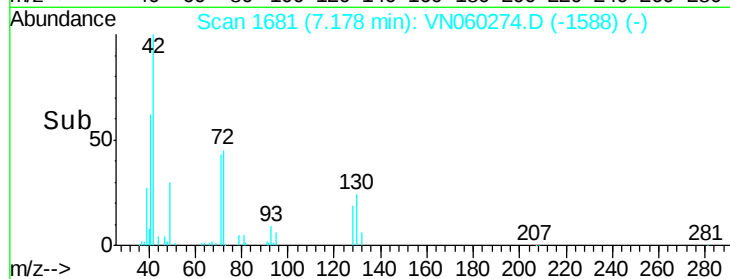
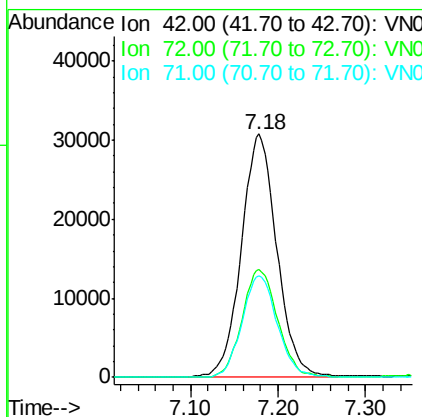
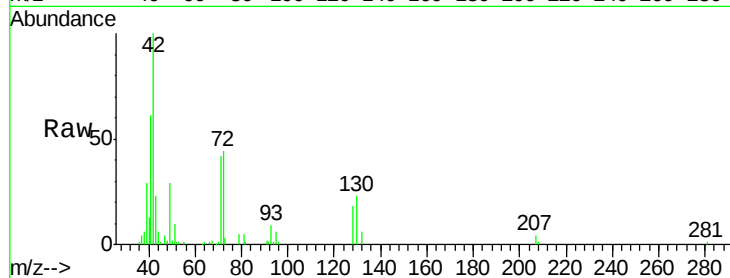
#29  
Tetrahydrofuran  
Concen: 85.256 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.2  | 34.6  | 52.0  |
| 71      | 41.3  | 32.9  | 49.3  |

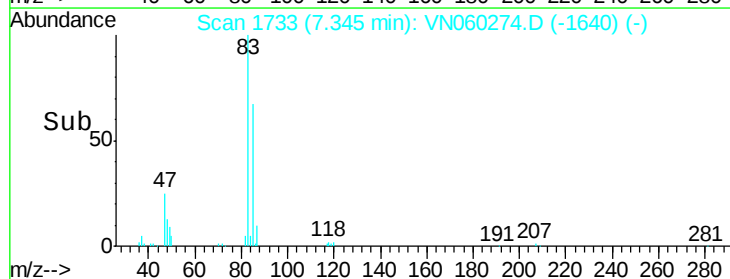
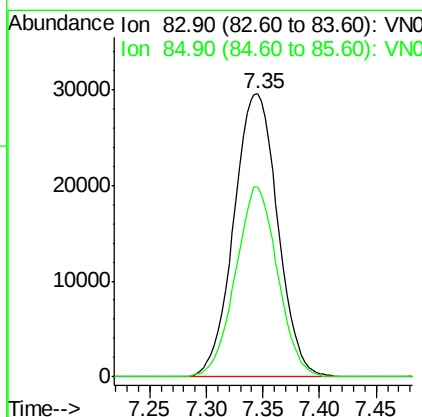
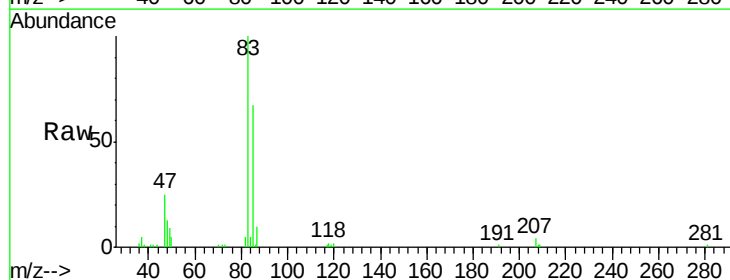
Manual Integrations  
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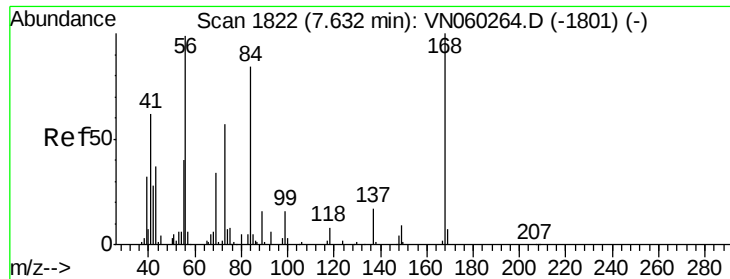
MMDadoda  
3/2/2020 11:00:44 AM



#30  
Chloroform  
Concen: 17.988 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.9  | 51.4  | 77.2  |





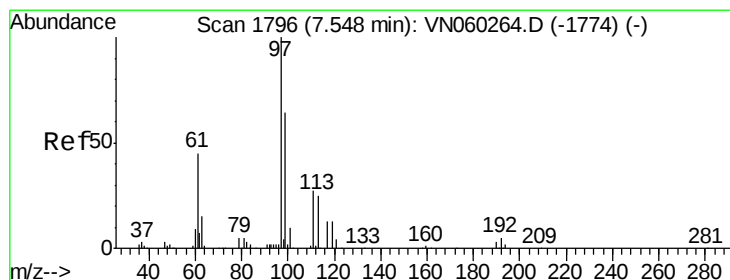
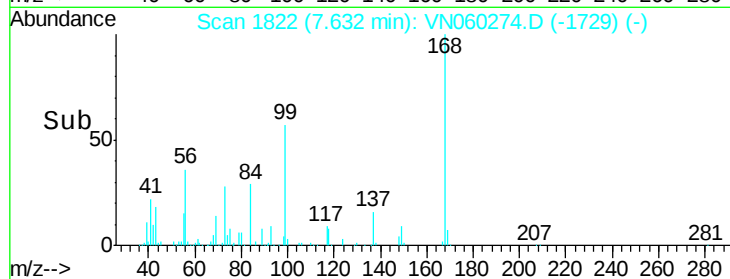
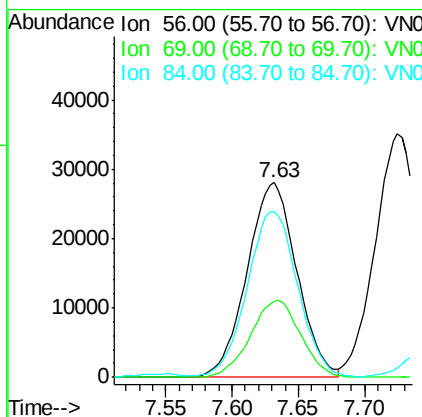
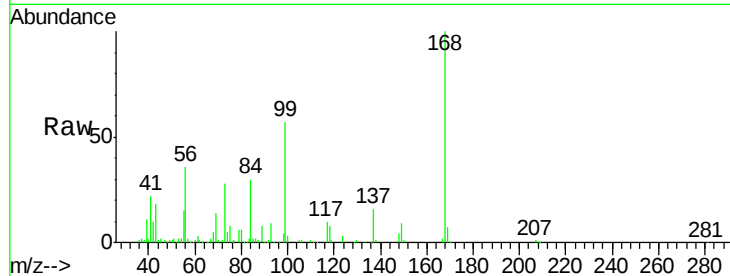
#31  
Cyclohexane  
Concen: 18.534 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 39.1  | 27.2  | 40.8  |
| 84      | 84.7  | 66.7  | 100.1 |

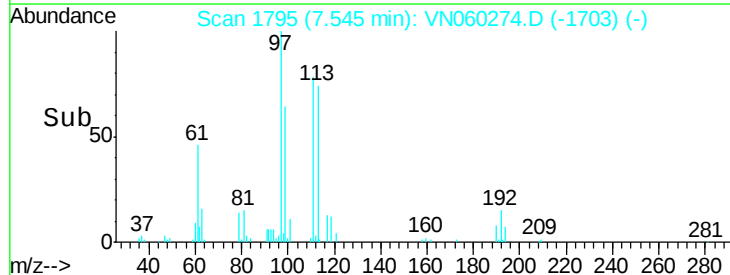
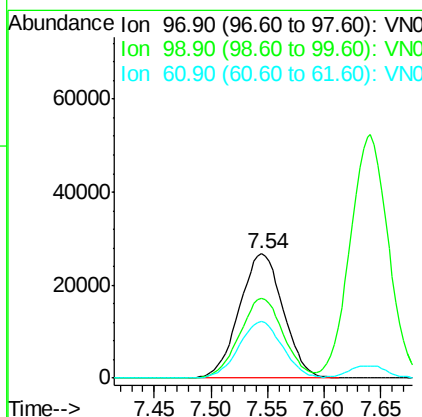
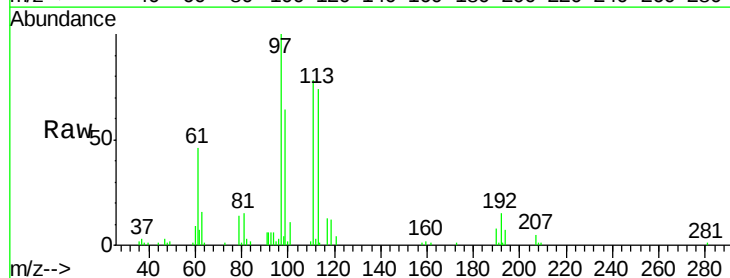
Manual Integrations  
APPROVED

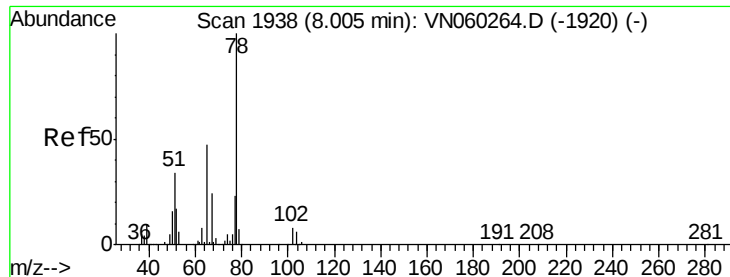
MMDadoda  
3/2/2020 11:00:44 AM



#32  
1,1,1-Trichloroethane  
Concen: 18.348 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 51.4  | 77.0  |
| 61      | 45.5  | 36.6  | 55.0  |





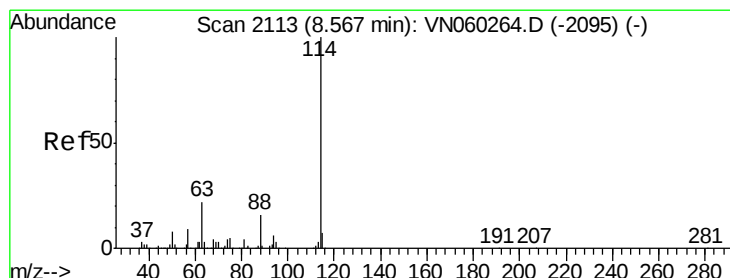
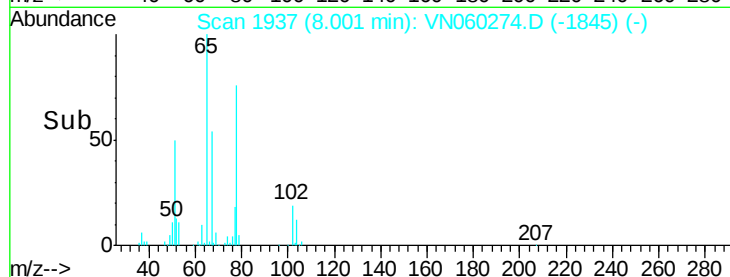
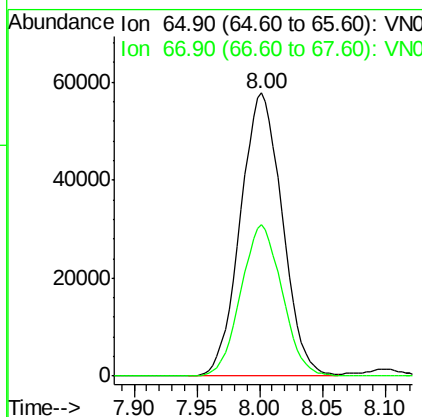
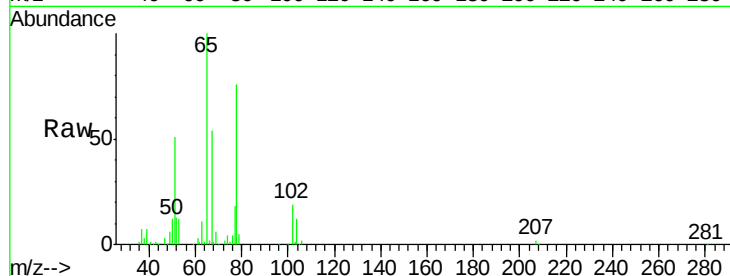
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.878 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.6  | 0.0  | 103.8 |       |

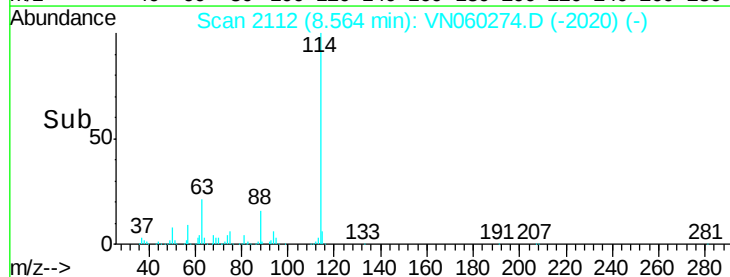
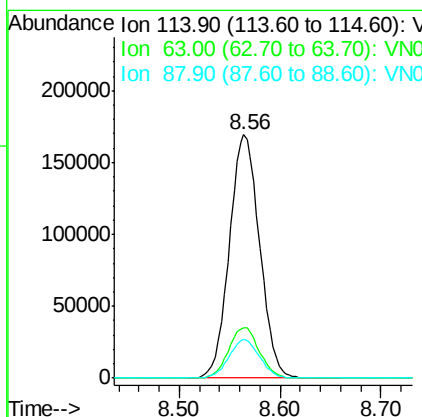
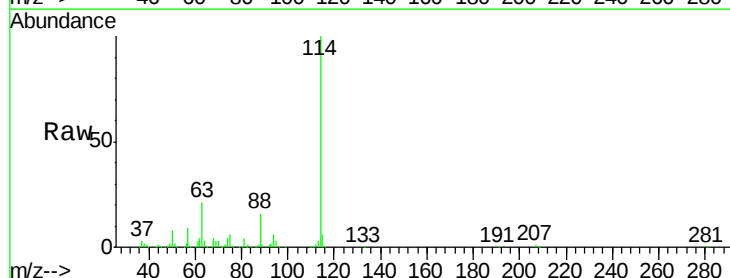
Manual Integrations  
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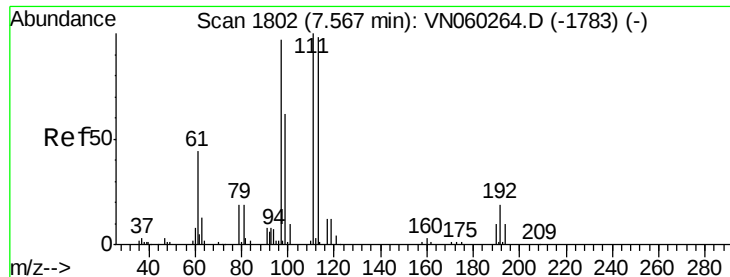
MMDadoda  
 3/2/2020 11:00:44 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 20.9  | 0.0  | 43.2  |       |
| 88      | 15.9  | 0.0  | 31.6  |       |





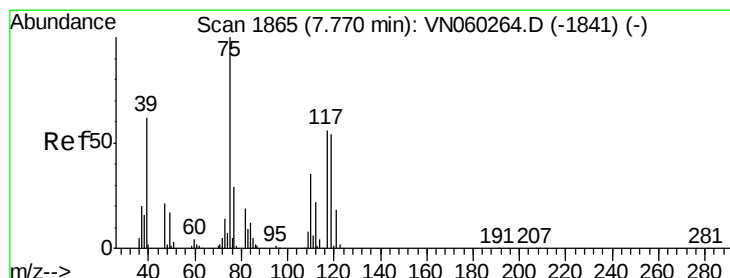
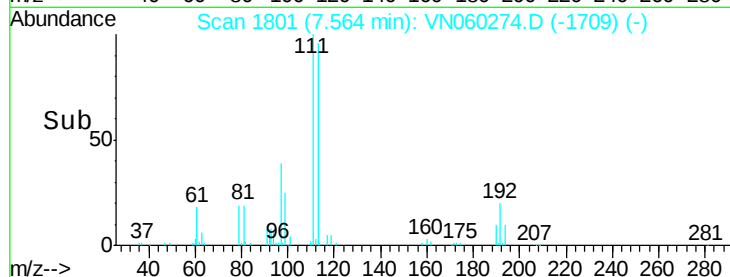
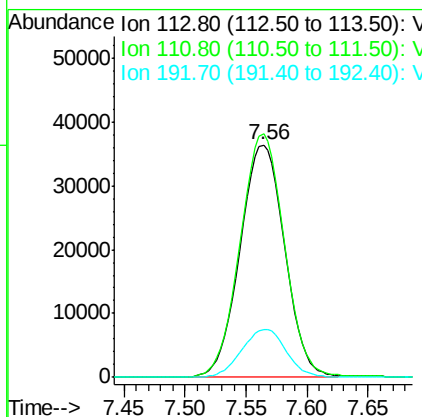
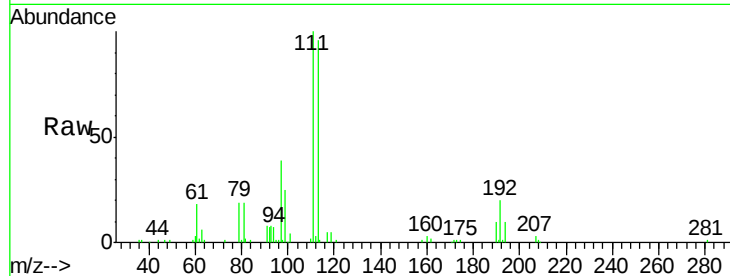
#35  
 Dibromofluoromethane  
 Concen: 56.454 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 82.4  | 123.6 |
| 192     | 20.5  | 16.2  | 24.2  |

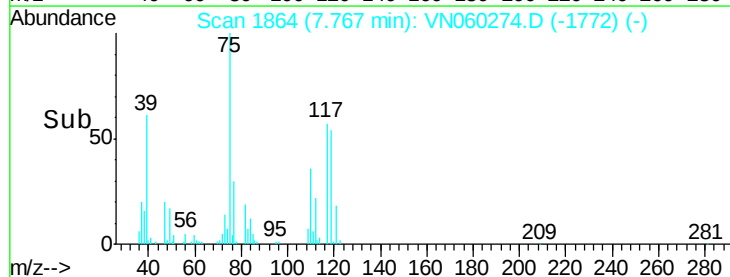
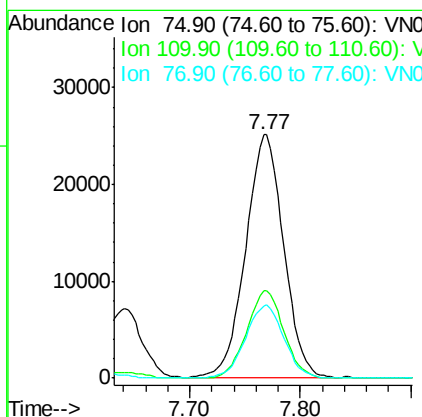
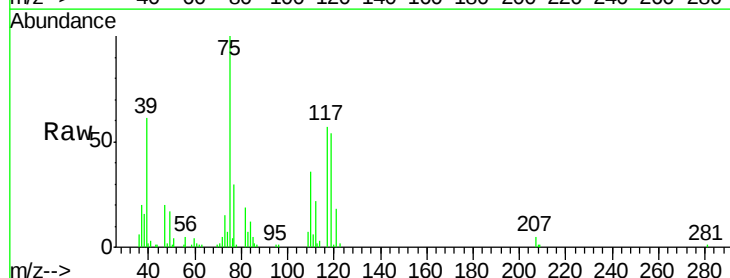
Manual Integrations  
 APPROVED

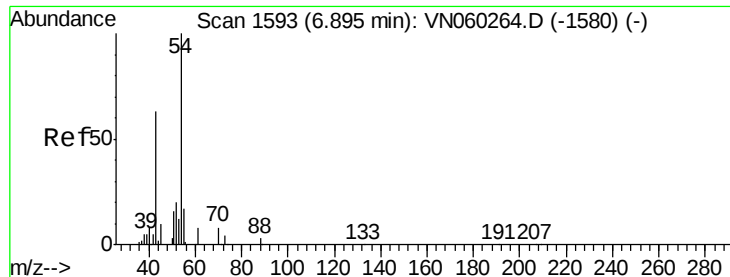
MMDadoda  
 3/2/2020 11:00:44 AM



#36  
 1,1-Dichloropropene  
 Concen: 17.910 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.7  | 17.3  | 52.0  |
| 77      | 30.2  | 24.2  | 36.2  |





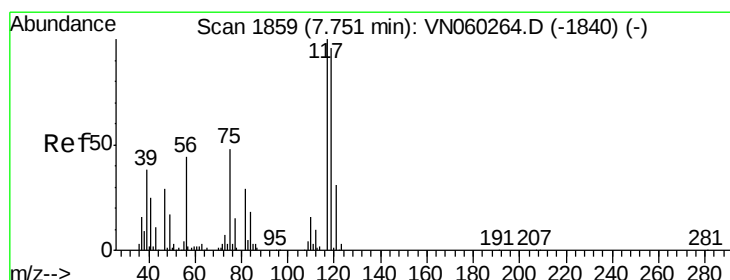
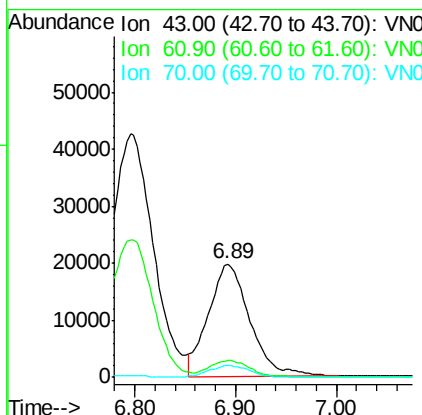
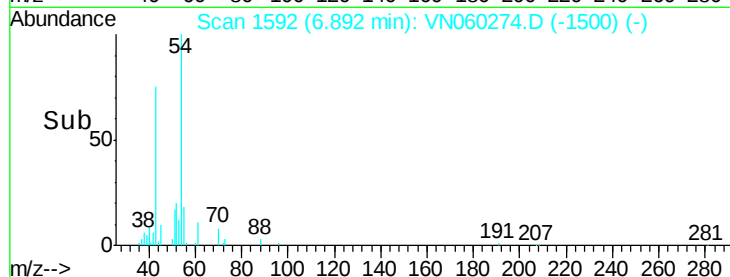
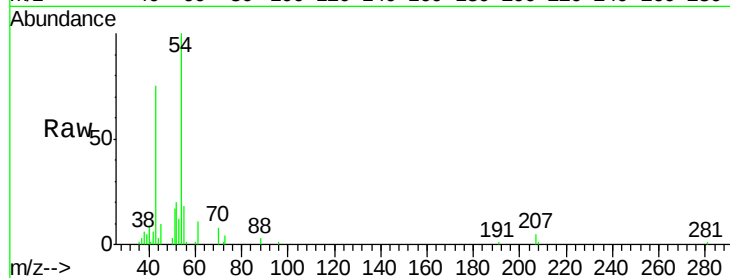
#37  
Ethyl Acetate  
Concen: 17.644 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.8  | 11.1  | 16.7  |
| 70      | 10.1  | 8.4   | 12.6  |

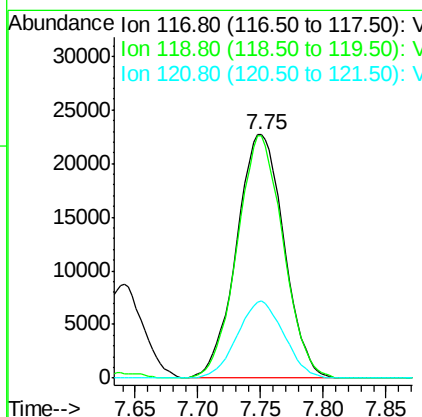
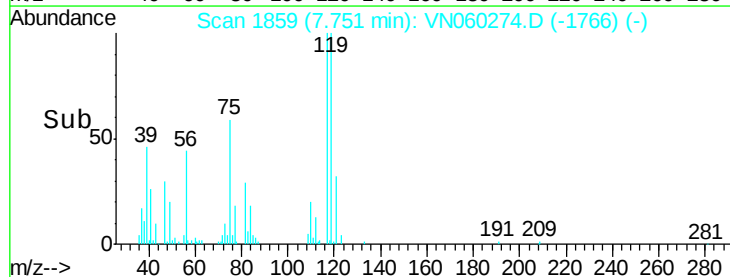
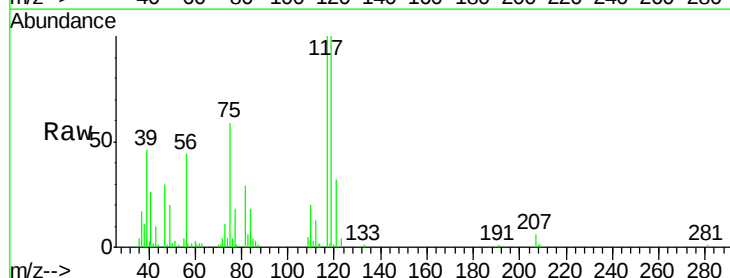
Manual Integrations  
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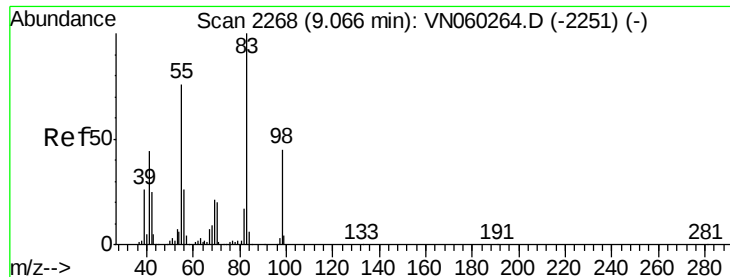
MMDadoda  
3/2/2020 11:00:44 AM



#38  
Carbon Tetrachloride  
Concen: 18.239 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.6  | 76.7  | 115.1 |
| 121     | 31.6  | 24.5  | 36.7  |





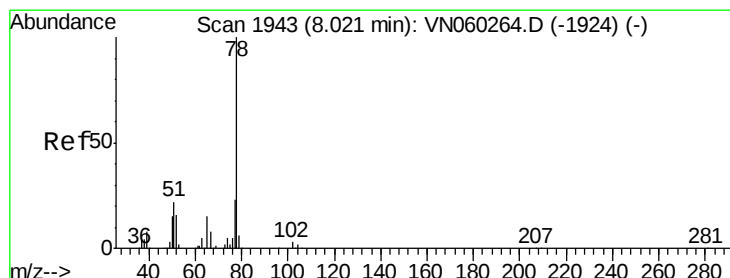
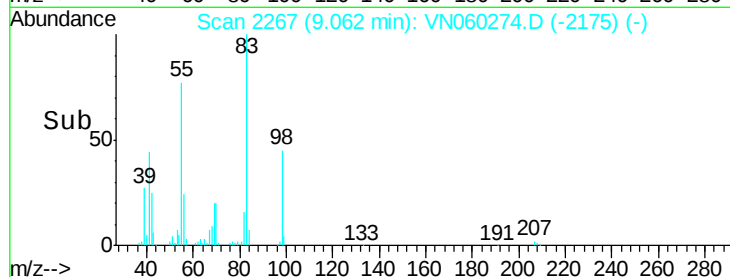
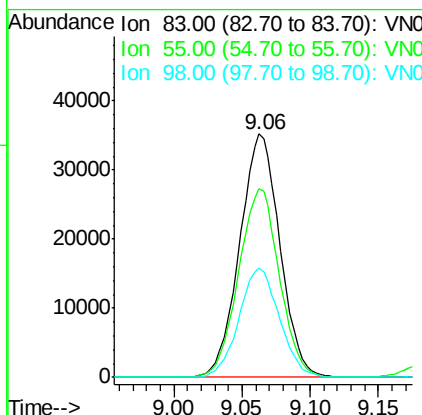
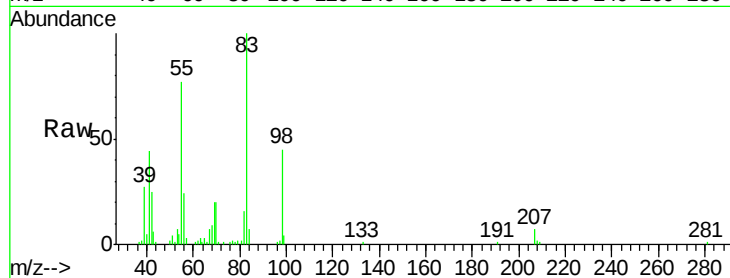
#39  
Methvlcvclohexane  
Concen: 18.179 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.3  | 61.0  | 91.4  |
| 98      | 44.7  | 36.1  | 54.1  |

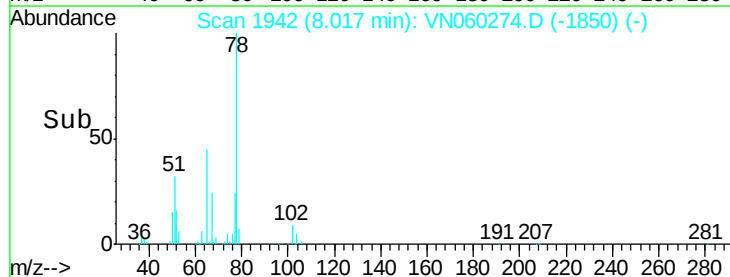
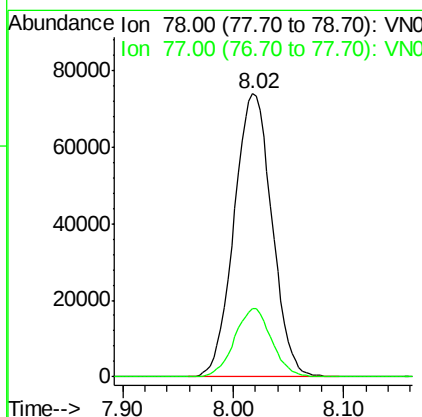
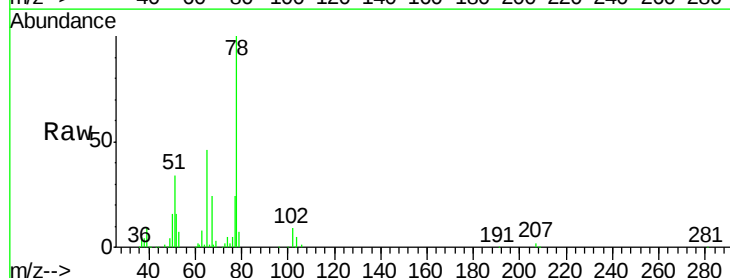
Manual Integrations  
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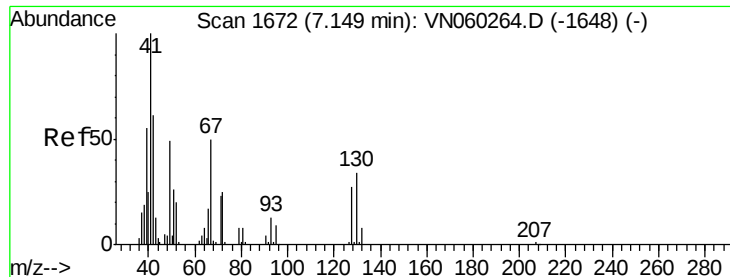
MMDadoda  
3/2/2020 11:00:44 AM



#40  
Benzene  
Concen: 17.956 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 18.8  | 28.2  |





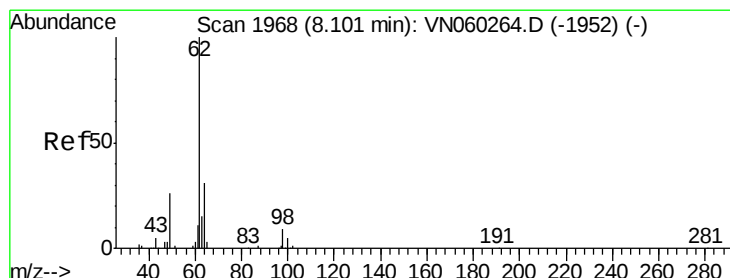
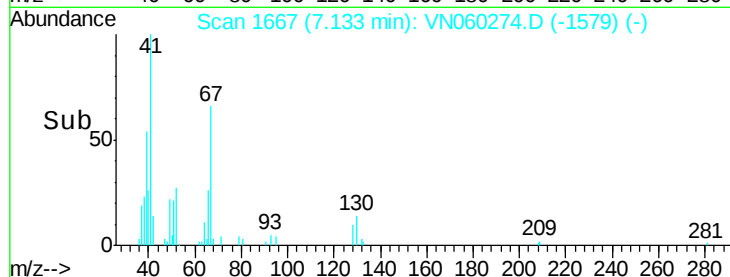
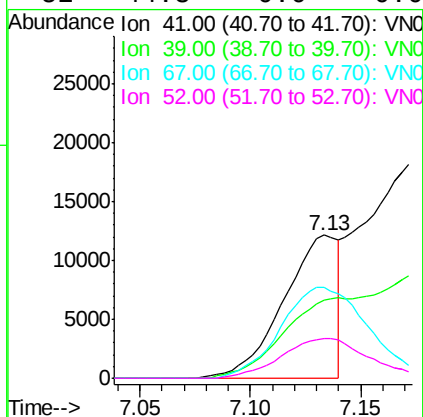
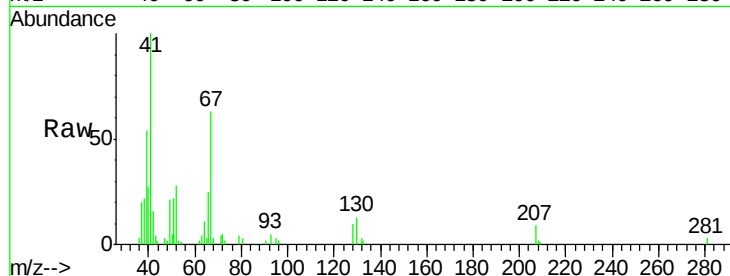
#41  
Methacrylonitrile  
Concen: 14.258 ug/l  
RT: 7.13 min Scan# 1667  
Delta R.T. -0.02 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 39      | 69.5  | 0.0  | 0.0   | #     |
| 67      | 103.2 | 0.0  | 0.0   | #     |
| 52      | 44.8  | 0.0  | 0.0   | #     |

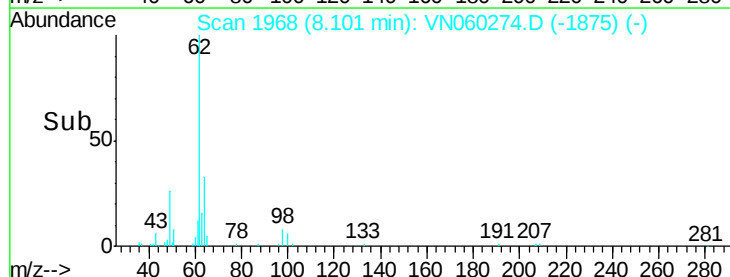
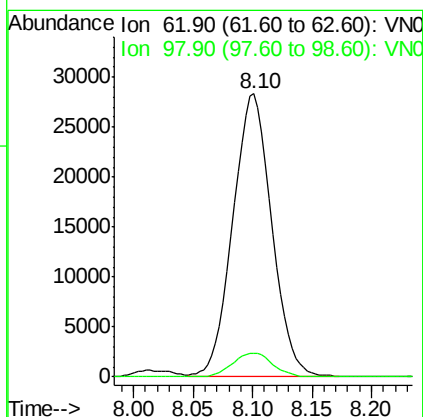
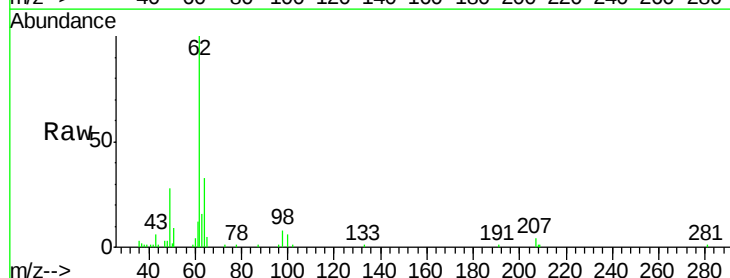
Manual Integrations  
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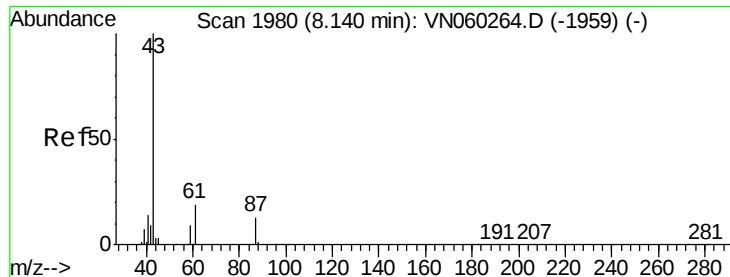
MMDadoda  
3/2/2020 11:00:44 AM



#42  
1,2-Dichloroethane  
Concen: 18.230 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 62      | 100   |      |       |       |
| 98      | 8.6   | 0.0  | 0.0   | 17.0  |





#43

Isopropyl Acetate

Concen: 17.849 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

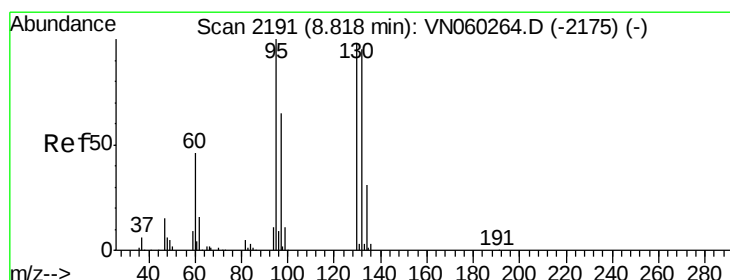
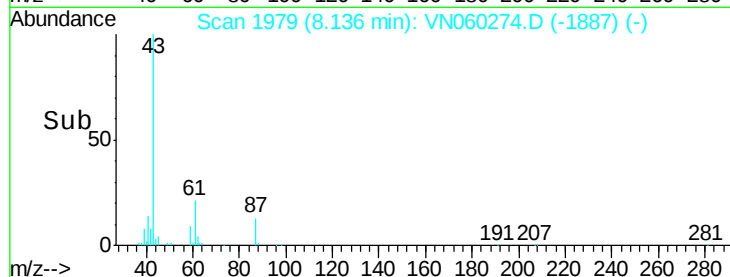
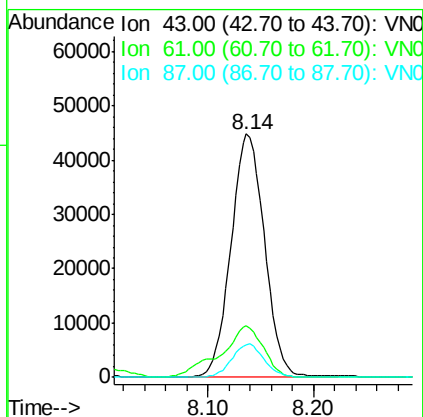
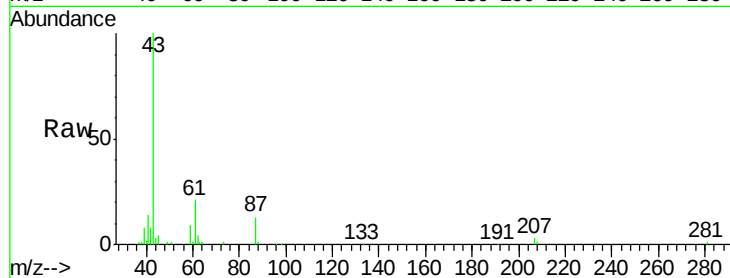
ClientSampleId :

VN0228WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 99367 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 26.9  | 20.9  | 31.3  |
| 87       | 13.1  | 10.6  | 16.0  |

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3/2/2020 11:00:44 AM



#44

Trichloroethene

Concen: 18.069 ug/l

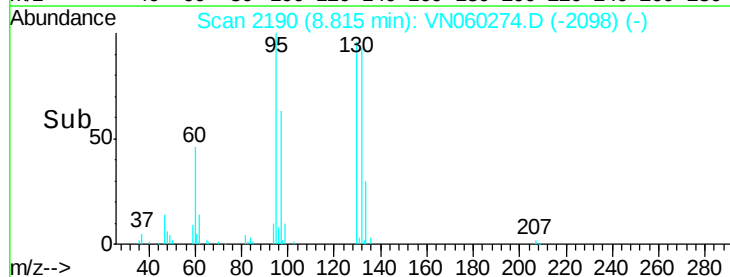
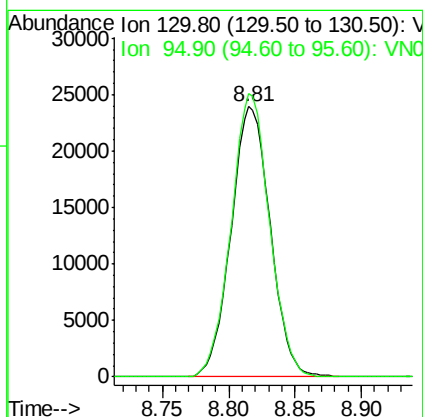
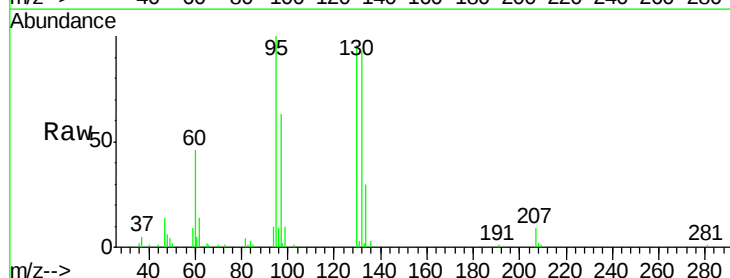
RT: 8.81 min Scan# 2190

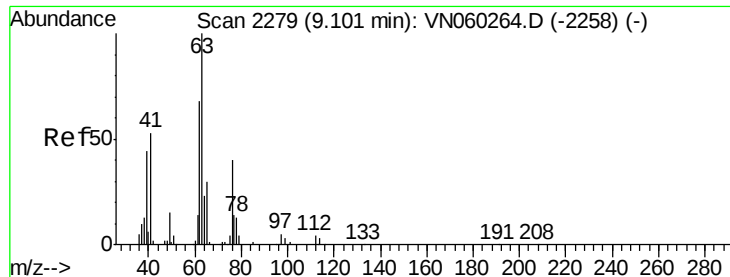
Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 49190 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 104.6 | 0.0   | 203.4 |





#45

1,2-Dichloropropane

Concen: 18.751 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 63 Resp: 47919

Ion Ratio Lower Upper

63 100

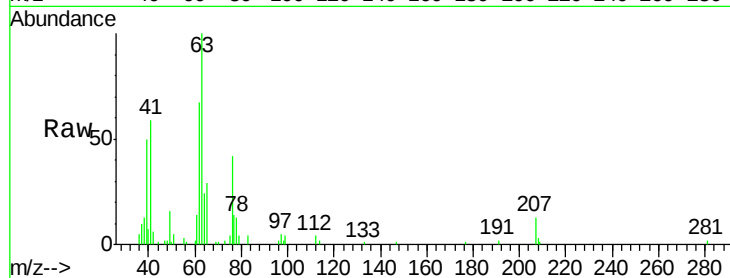
65 29.0 24.4 36.6

Manual Integrations

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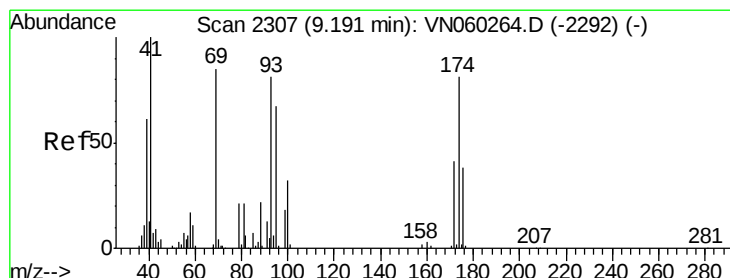
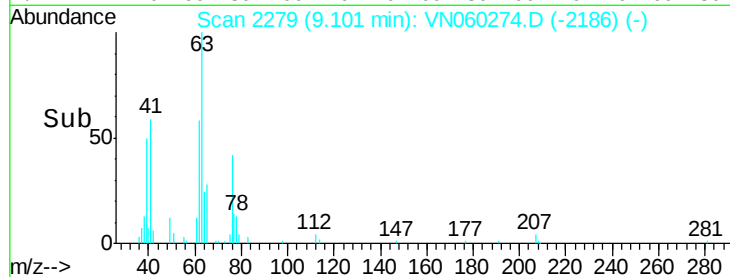
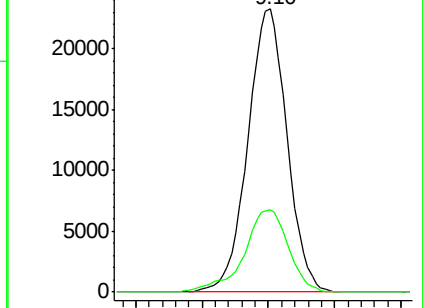
MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060274.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060274.D (-2186) (-)



#46

Dibromomethane

Concen: 17.879 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

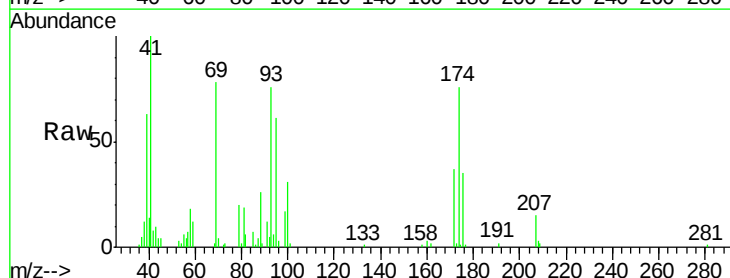
Tgt Ion: 93 Resp: 29648

Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

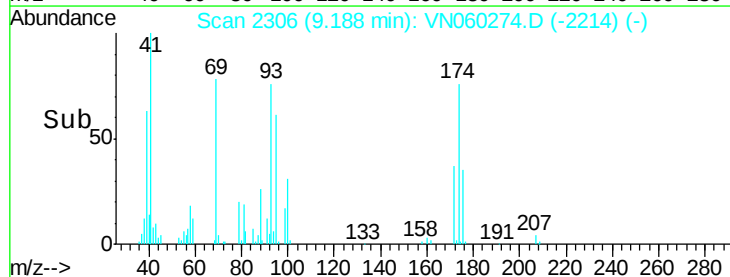
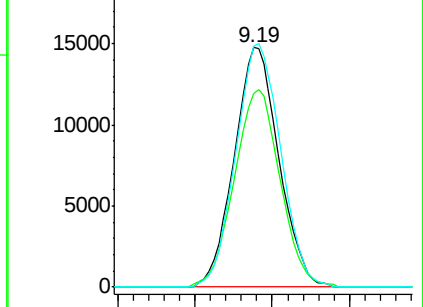
174 102.3 79.6 119.4

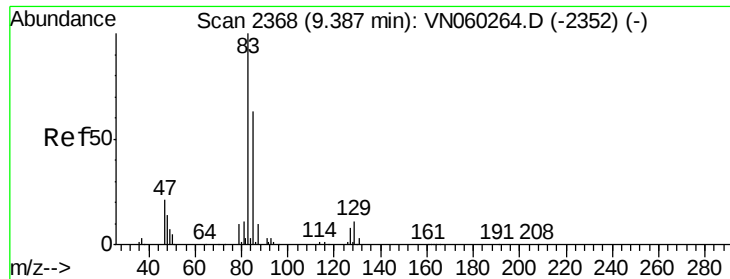


Abundance Ion 92.80 (92.50 to 93.50): VN060274.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060274.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060274.D (-2214) (-)





#47

Bromodichloromethane

Concen: 18.400 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

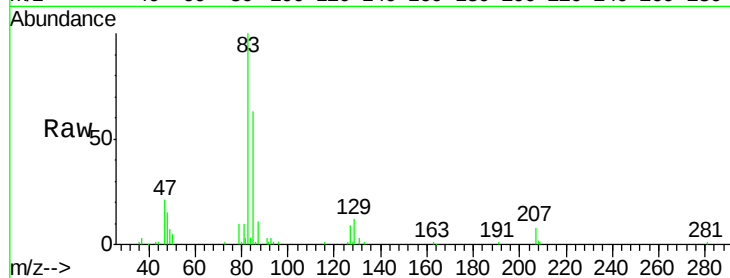
ClientSampleId :

VN0228WBS01

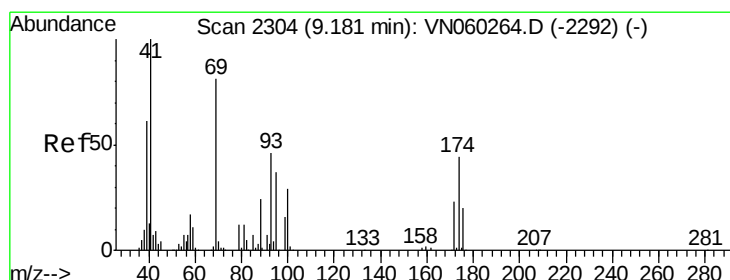
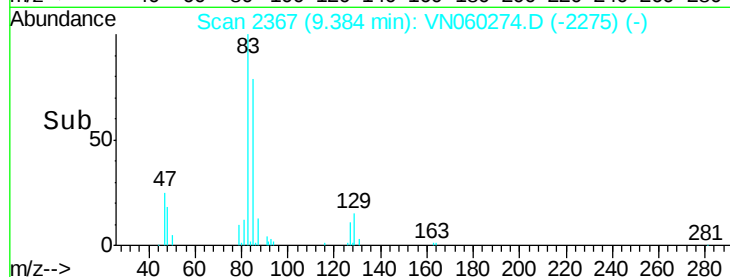
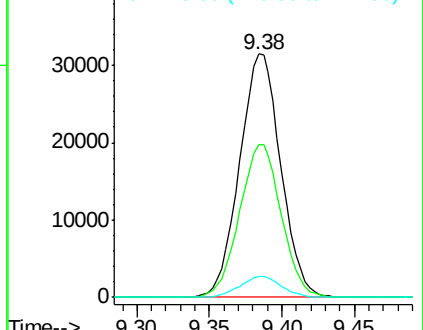
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 62057 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.8  | 50.7  | 76.1  |
| 127      | 8.6   | 6.8   | 10.2  |

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3/2/2020 11:00:44 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060274.D (-2275) (-)



#48

Methyl methacrylate

Concen: 16.828 ug/l

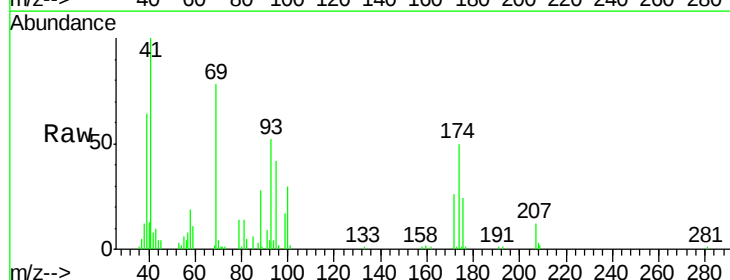
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

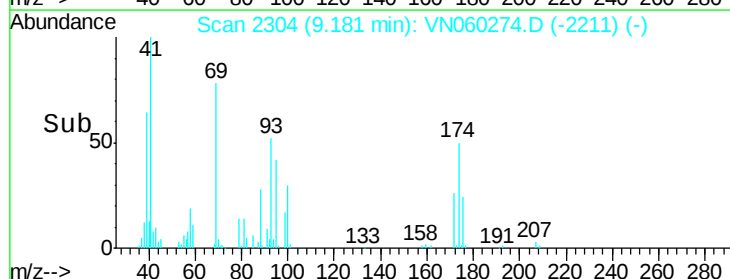
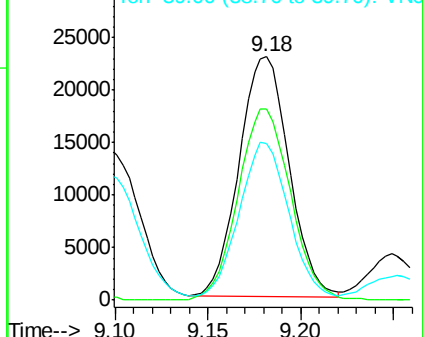
Lab File: VN060274.D

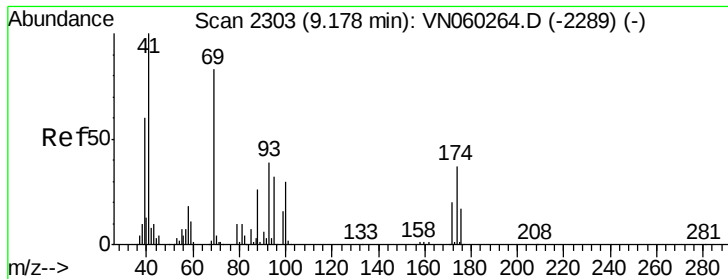
Acq: 28 Feb 2020 11:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 42719 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 83.8  | 66.7  | 100.1 |
| 39       | 66.3  | 50.1  | 75.1  |



Abundance Ion 41.00 (40.70 to 41.70): VN060274.D (-2211) (-)





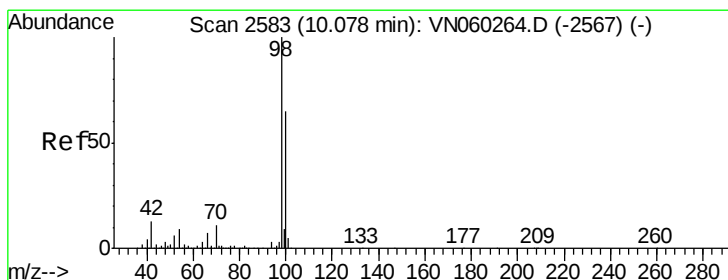
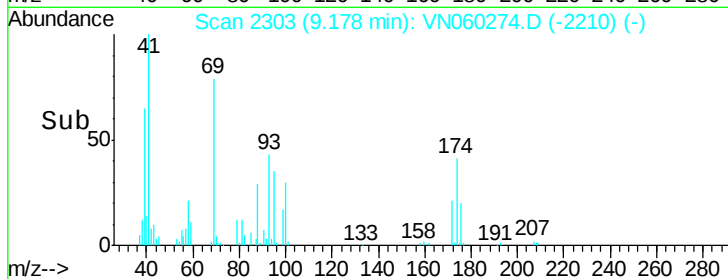
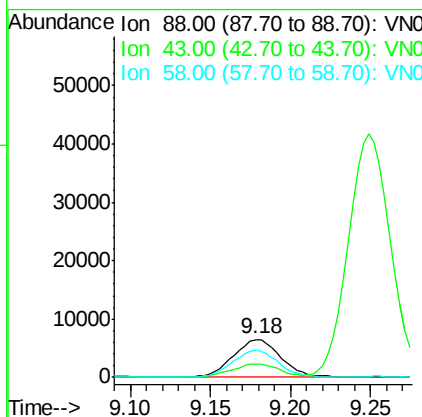
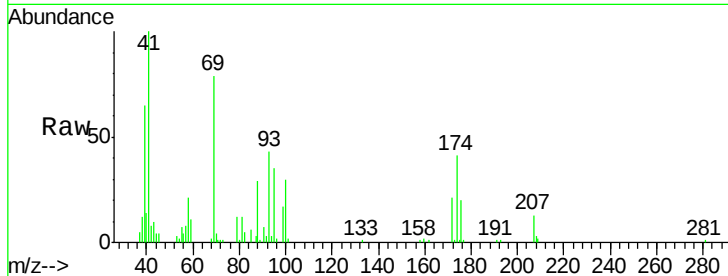
#49  
1,4-Dioxane  
Concen: 367.595 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 36.1  | 30.4  | 45.6  |
| 58      | 69.1  | 57.0  | 85.6  |

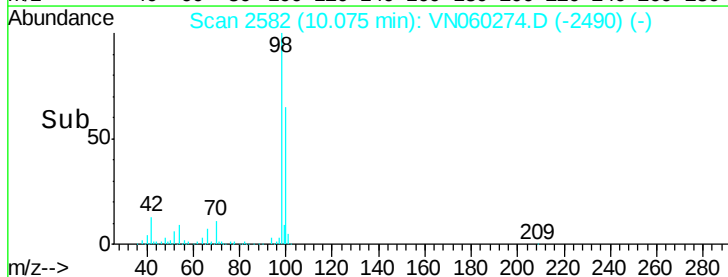
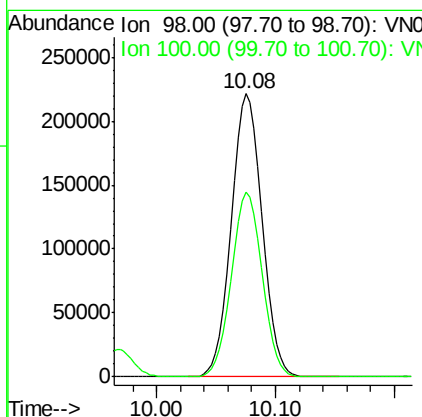
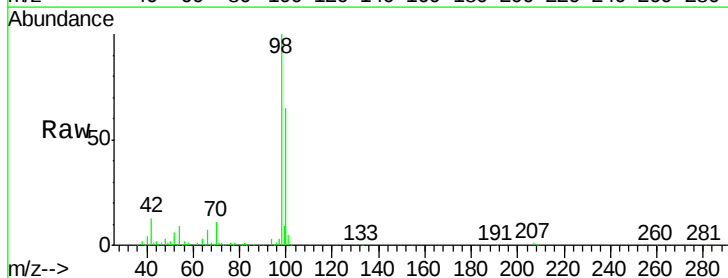
Manual Integrations  
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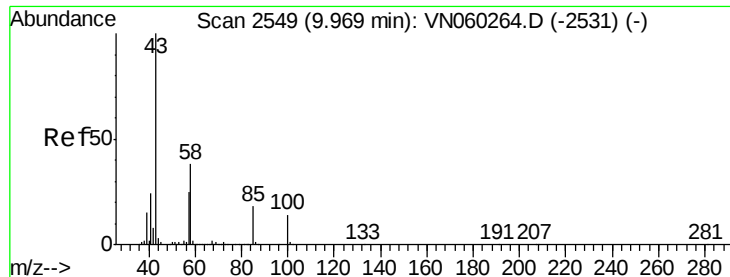
MMDadoda  
3/2/2020 11:00:44 AM



#50  
Toluene-d8  
Concen: 48.032 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.3  | 52.2  | 78.2  |





#51

4-Methyl-2-Pentanone

Concen: 87.949 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 43 Resp: 277599

Ion Ratio Lower Upper

43 100

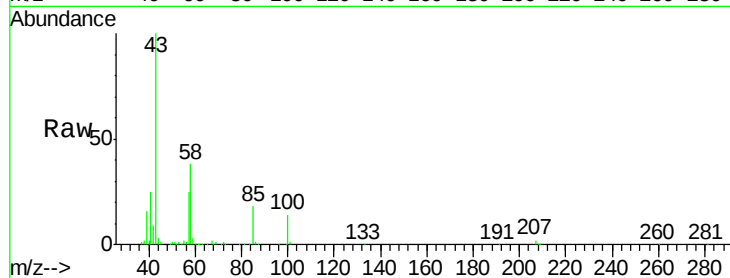
58 38.3 30.9 46.3

Manual Integrations

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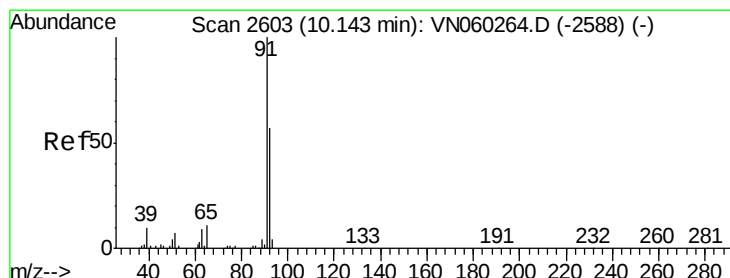
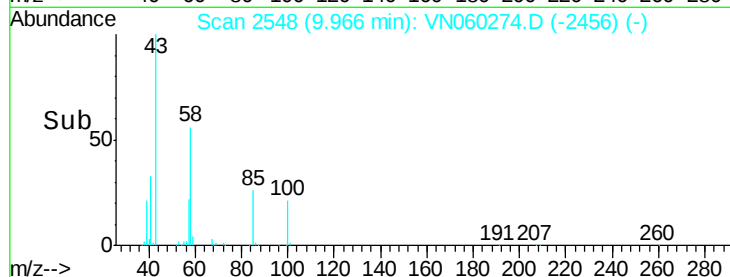
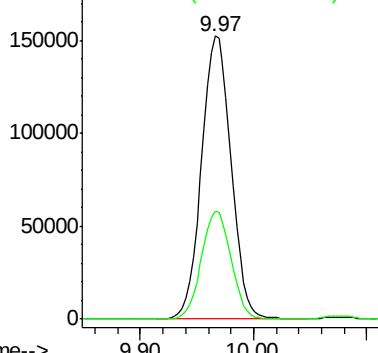
MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.935 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060274.D

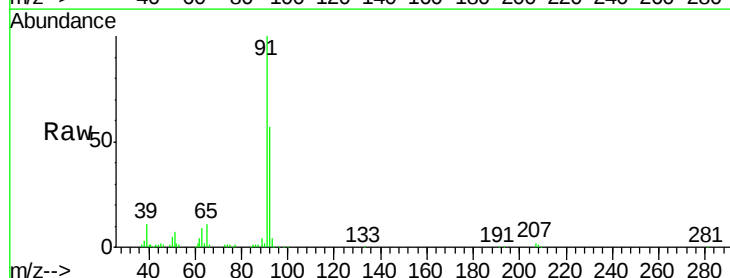
Acq: 28 Feb 2020 11:05

Tgt Ion: 92 Resp: 110119

Ion Ratio Lower Upper

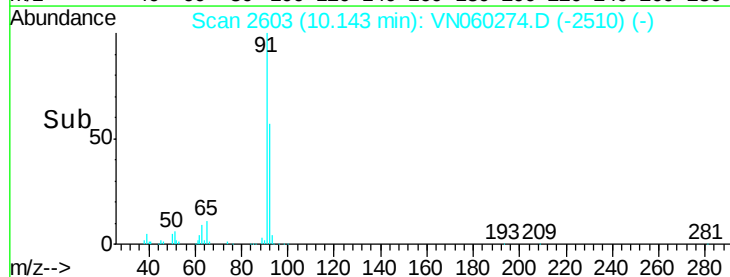
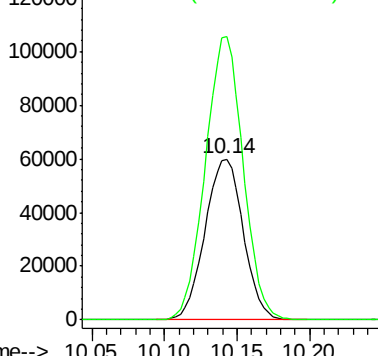
92 100

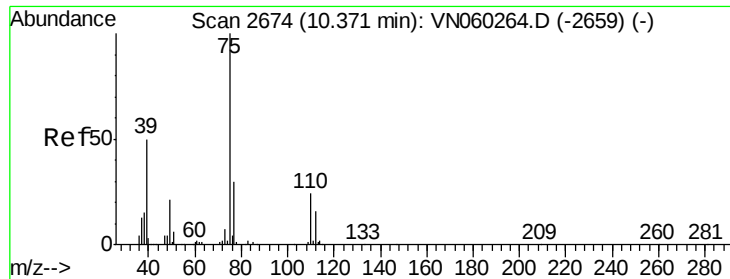
91 174.0 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.613 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBS01

Tot Ion: 75 Resp: 72784

Ion Ratio Lower Upper

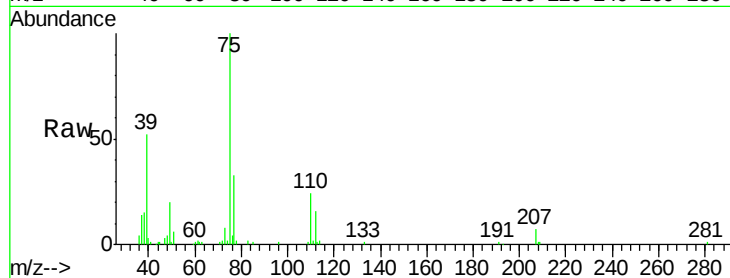
75 100

77 31.6 24.8 37.2

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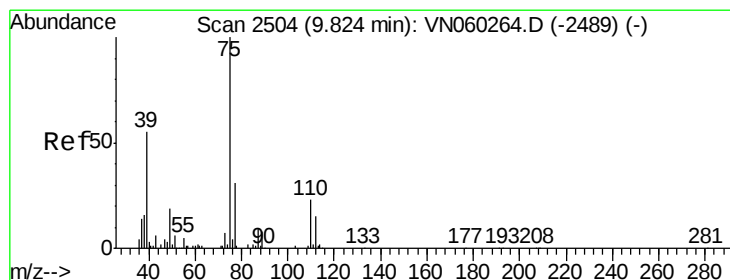
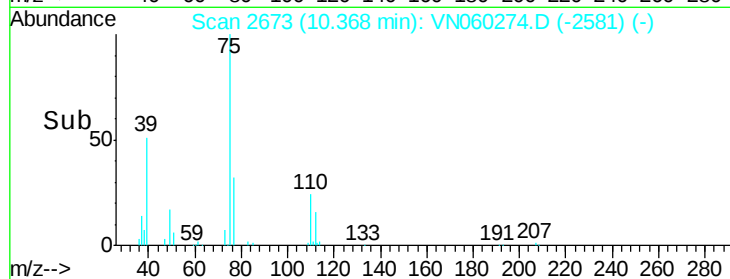
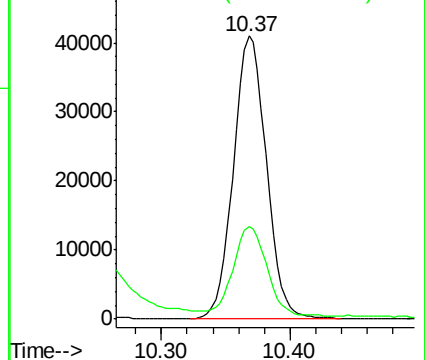
MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.133 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

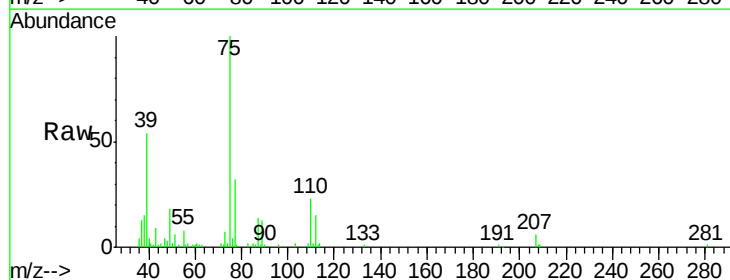
Tgt Ion: 75 Resp: 77648

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

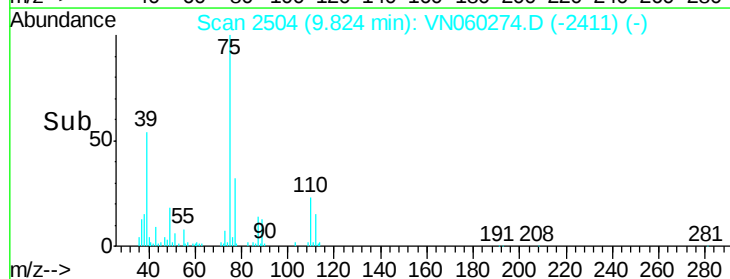
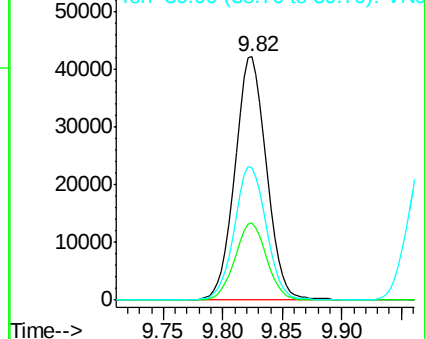
39 54.4 43.8 65.8

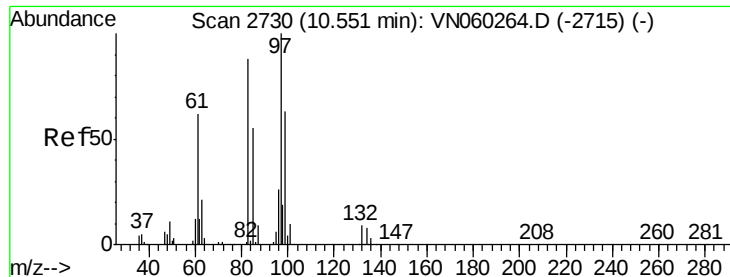


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





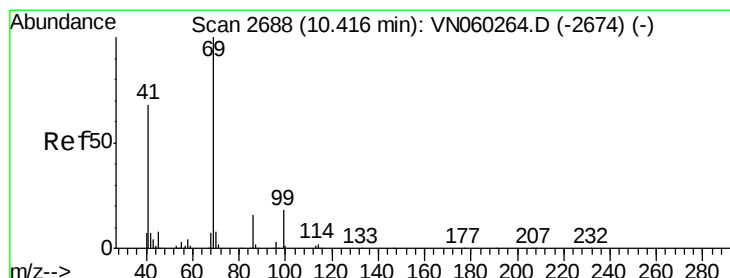
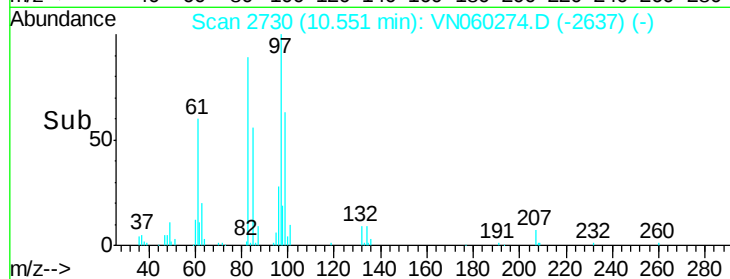
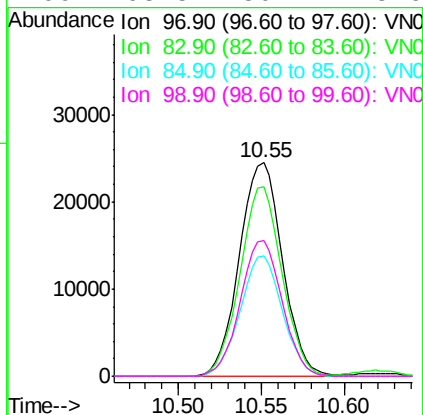
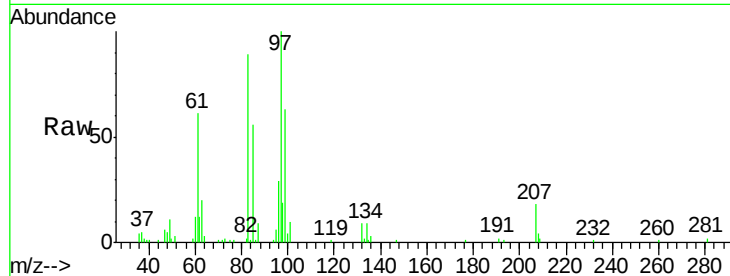
#55  
 1,1,2-Trichloroethane  
 Concen: 17.947 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.6  | 70.0  | 105.0 |
| 85      | 56.4  | 44.0  | 66.0  |
| 99      | 63.5  | 50.4  | 75.6  |

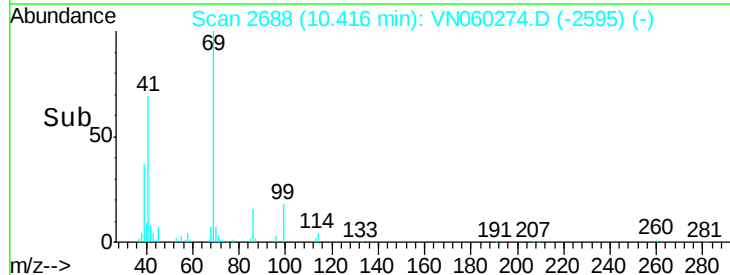
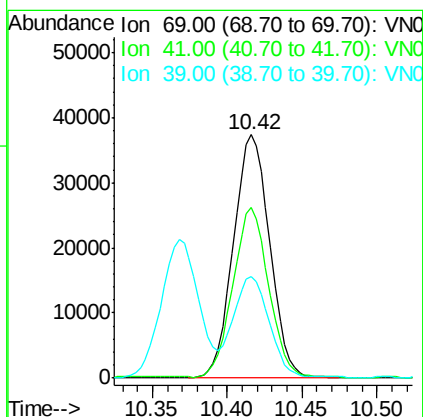
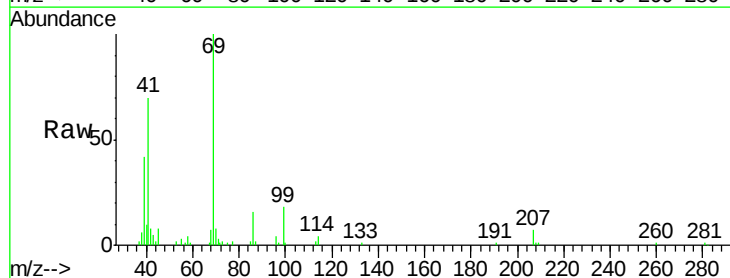
Manual Integrations  
 APPROVED

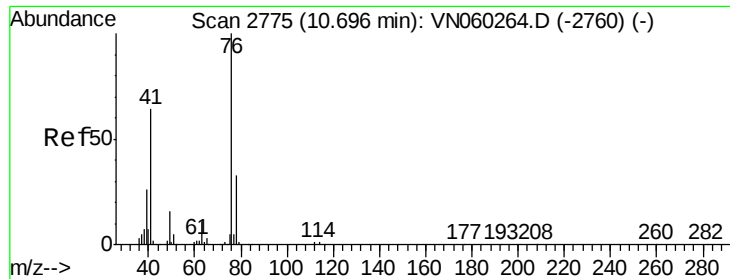
MMDadoda  
 3/2/2020 11:00:44 AM



#56  
 Ethyl methacrylate  
 Concen: 17.767 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 69.9  | 54.1  | 81.1  |
| 39      | 42.4  | 32.5  | 48.7  |





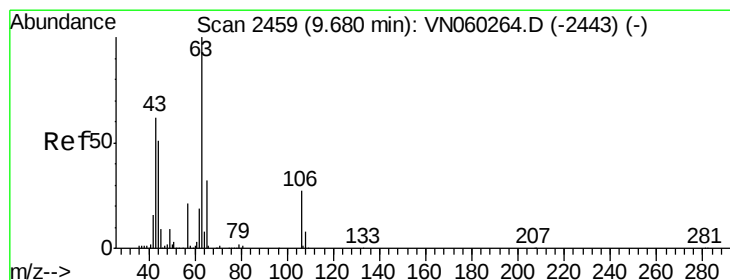
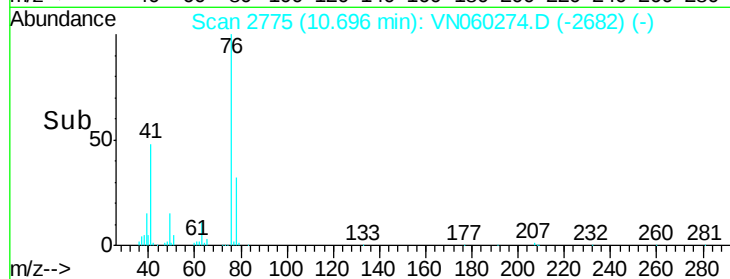
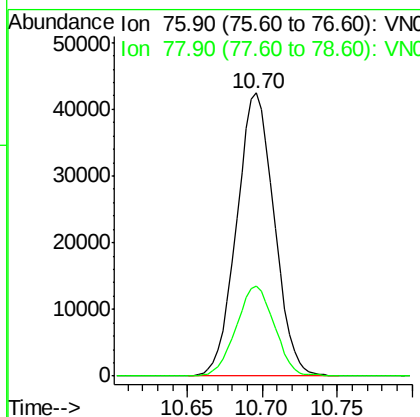
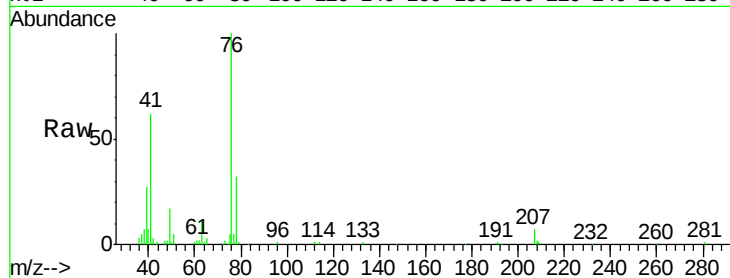
#57  
 1,3-Dichloropropane  
 Concen: 18.438 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 26.2  | 39.2  |

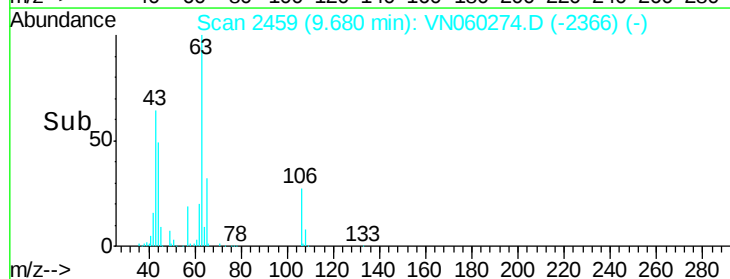
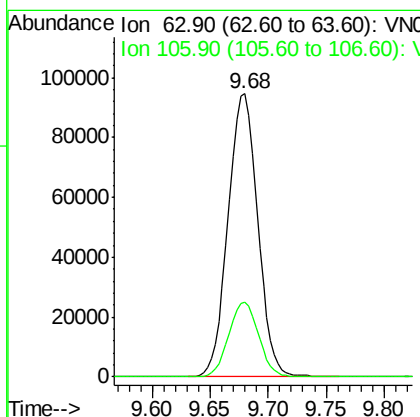
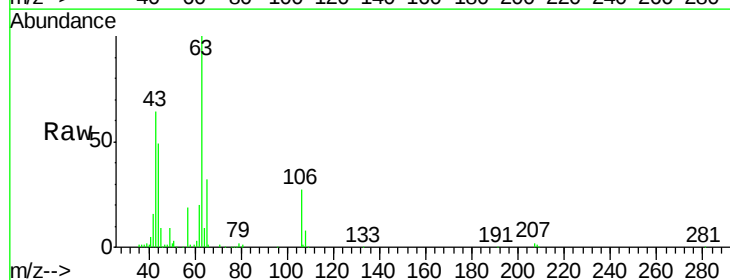
Manual Integrations  
 APPROVED

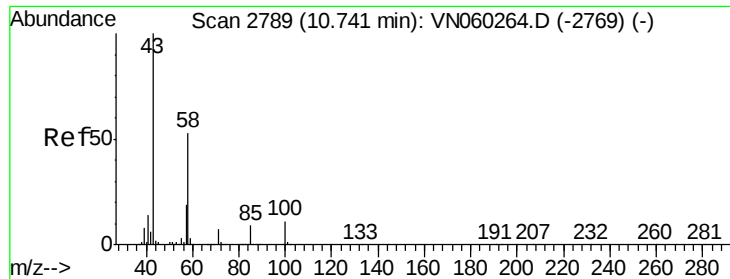
MMDadoda  
 3/2/2020 11:00:44 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 90.329 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.4  | 21.1  | 31.7  |





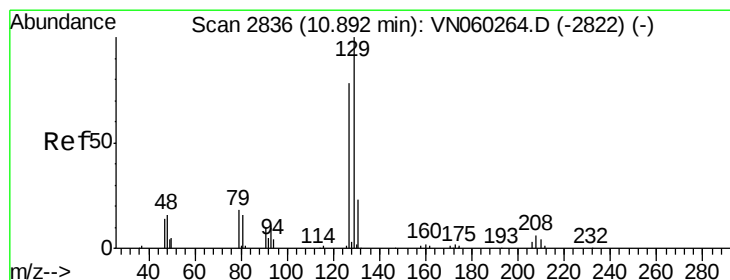
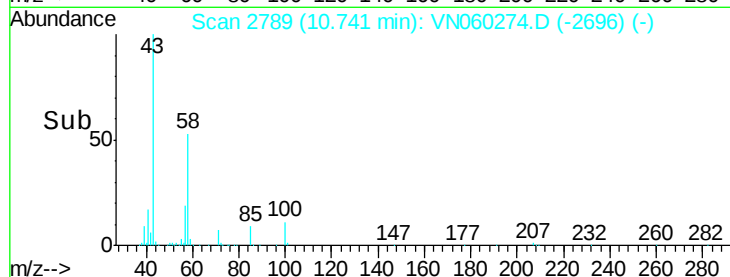
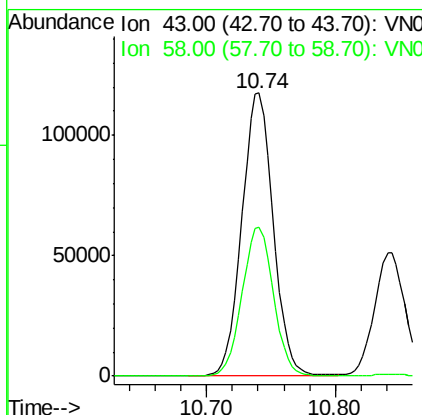
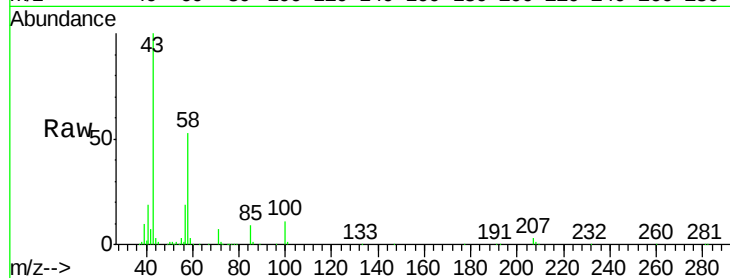
#59  
2-Hexanone  
Concen: 86.057 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion   | 43 | Resp | 199436 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 52.6 | 26.5   |
| Upper     |    |      | 79.5   |

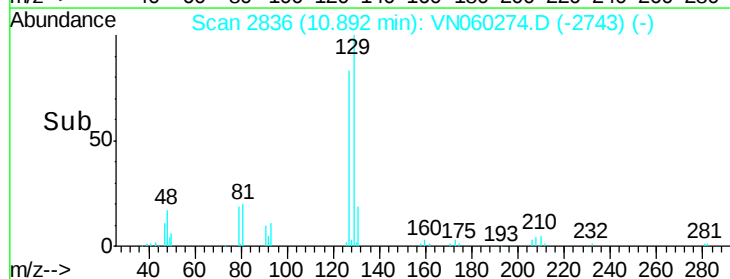
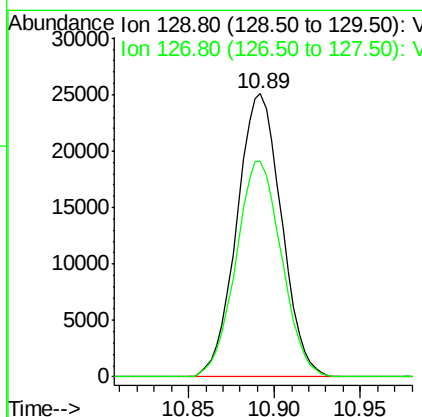
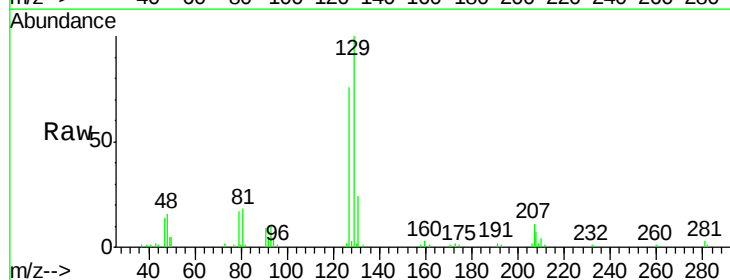
Manual Integrations  
APPROVED

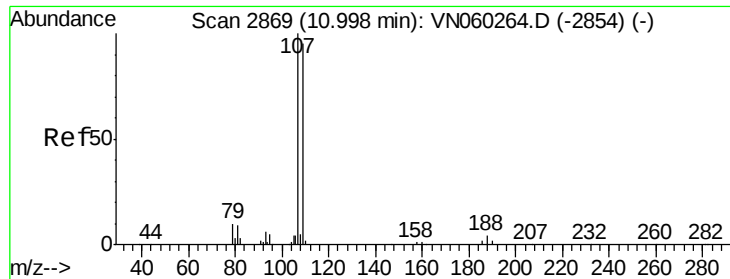
MMDadoda  
3/2/2020 11:00:44 AM



#60  
Dibromochloromethane  
Concen: 17.970 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion   | 129 | Resp | 45123 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 77.8 | 38.9  |
| Upper     |     |      | 116.7 |





#61

1,2-Dibromoethane

Concen: 17.628 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 107 Resp: 42430

Ion Ratio Lower Upper

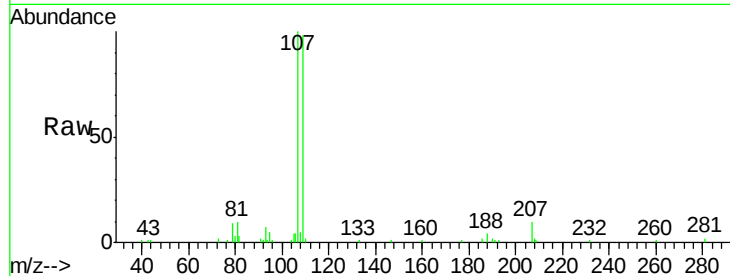
107 100

109 96.1 76.8 115.2

Manual Integrations  
APPROVED

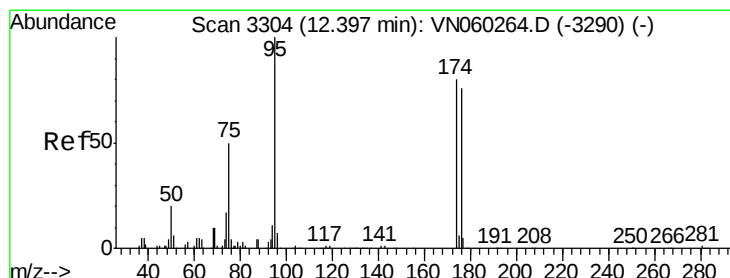
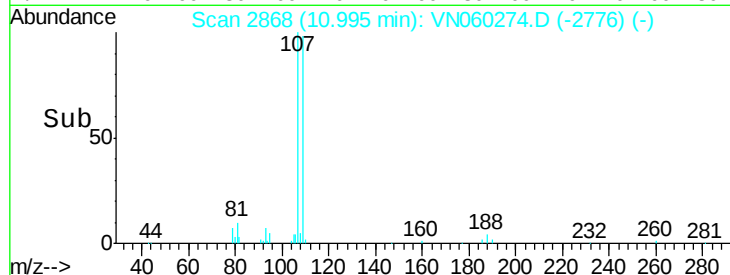
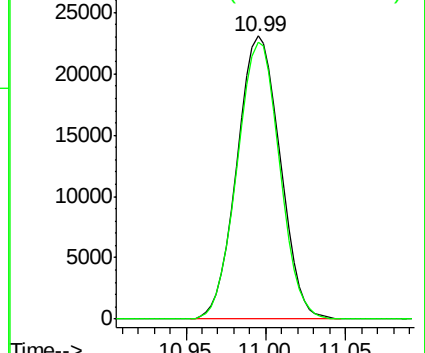
MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.294 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

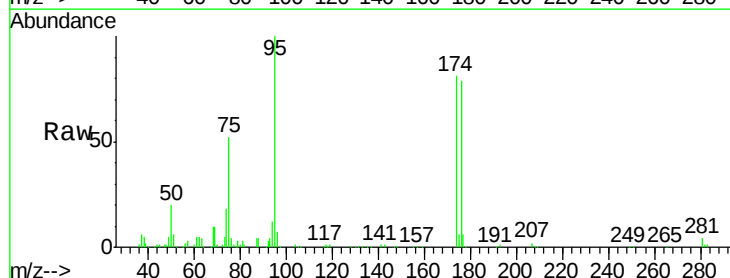
Tgt Ion: 95 Resp: 148409

Ion Ratio Lower Upper

95 100

174 81.2 0.0 159.2

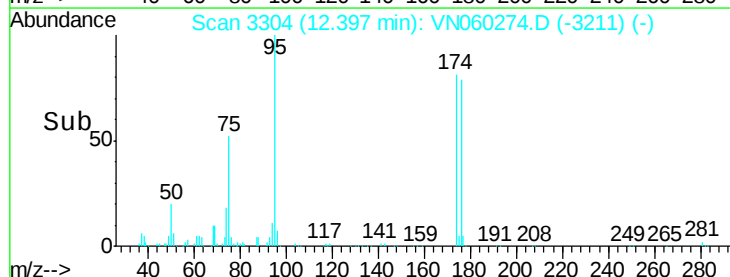
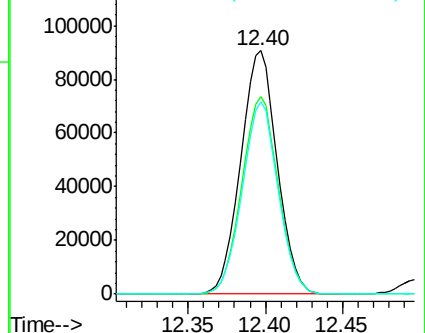
176 77.9 0.0 153.8

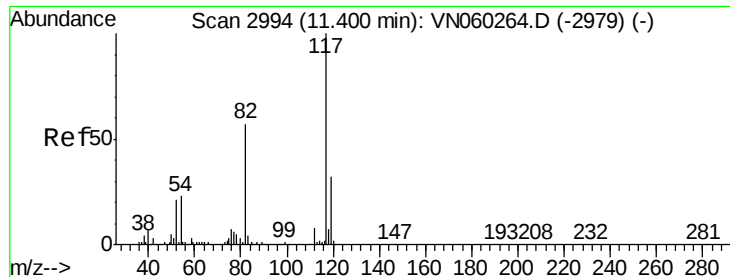


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





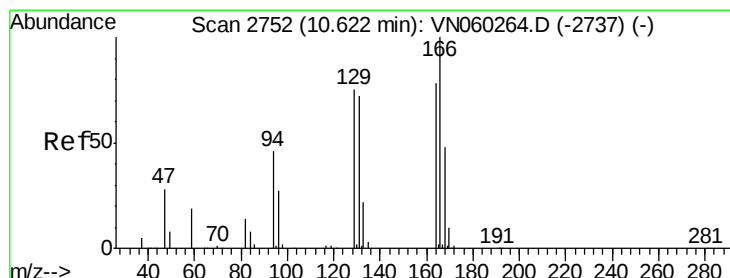
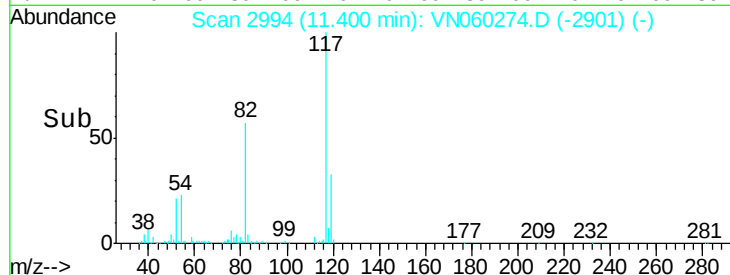
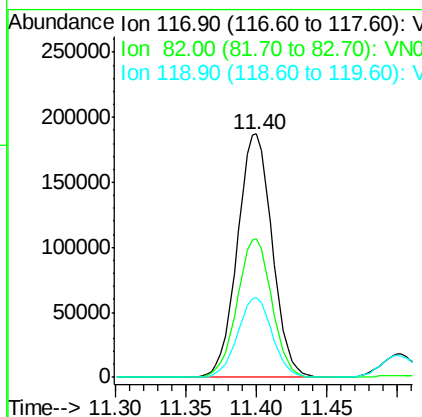
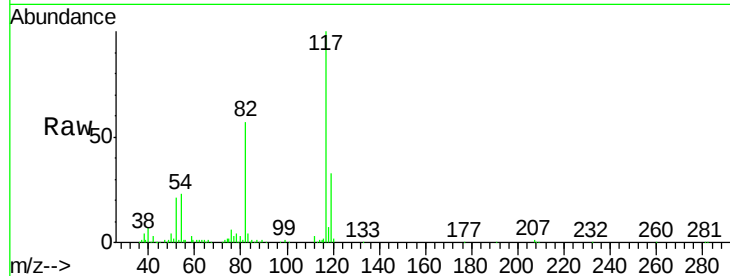
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 323617 |       |       |
| 82      | 56.8  |        | 45.8  | 68.6  |
| 119     | 32.6  |        | 25.8  | 38.8  |

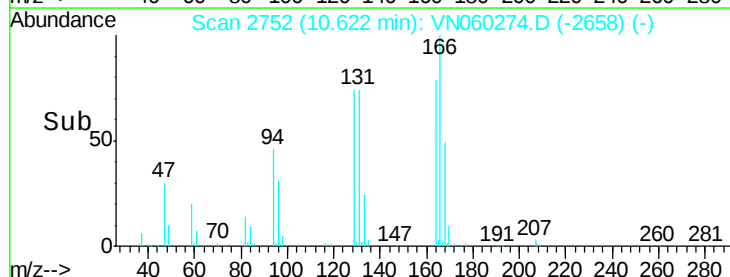
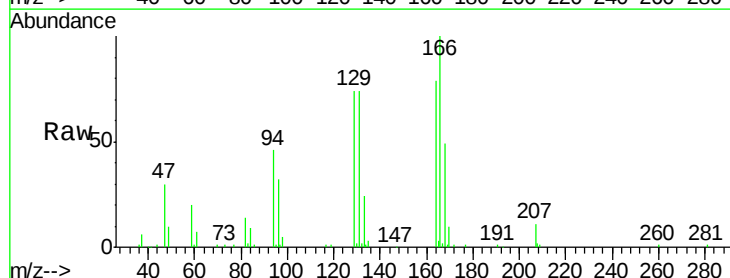
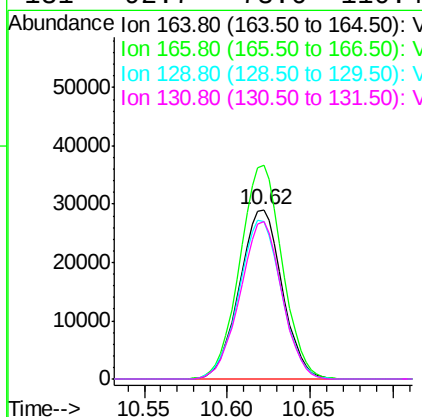
Manual Integrations  
APPROVED

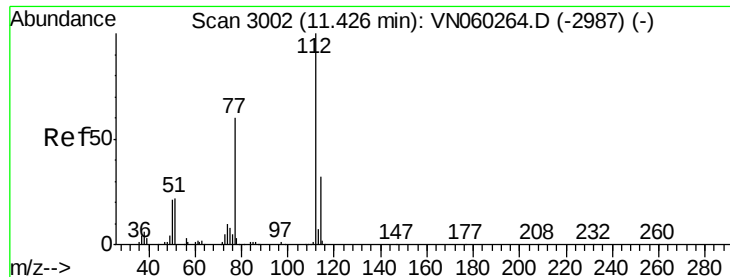
MMDadoda  
3/2/2020 11:00:44 AM



#64  
Tetrachloroethene  
Concen: 19.488 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 51854 |       |       |
| 166     | 126.1 |       | 102.0 | 153.0 |
| 129     | 92.7  |       | 76.4  | 114.6 |
| 131     | 92.7  |       | 73.6  | 110.4 |





#65

Chlorobenzene

Concen: 17.767 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBS01

Tot Ion:112 Resp: 116101

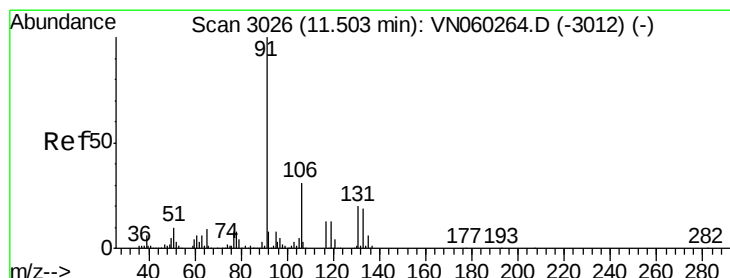
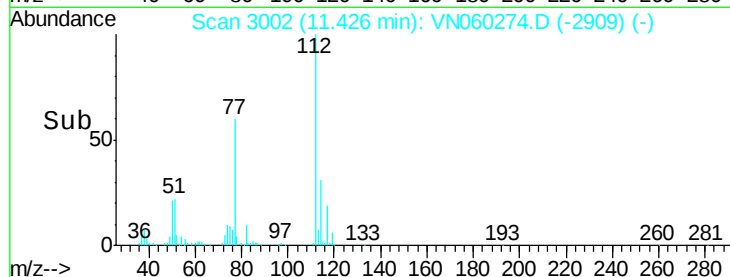
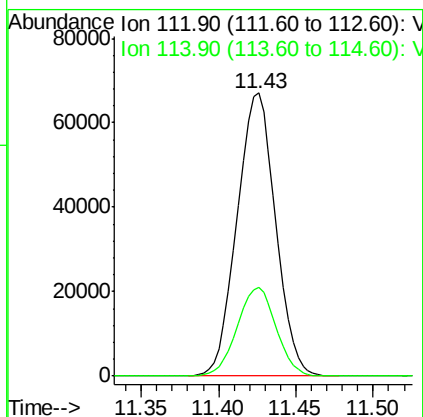
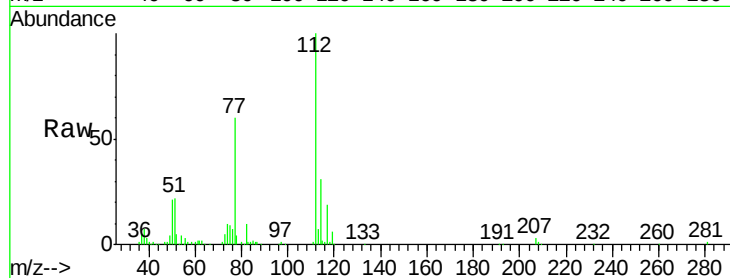
Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.0

Manual Integrations  
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MMDadoda  
3/2/2020 11:00:44 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.101 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

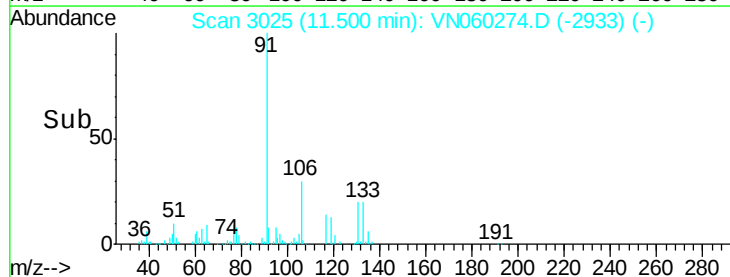
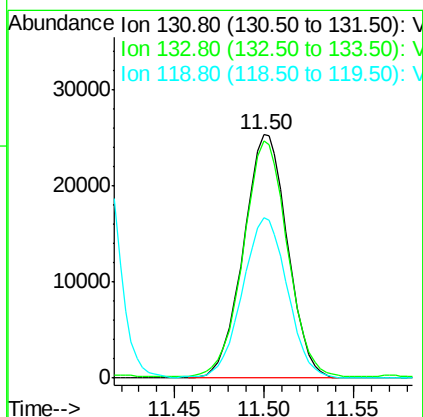
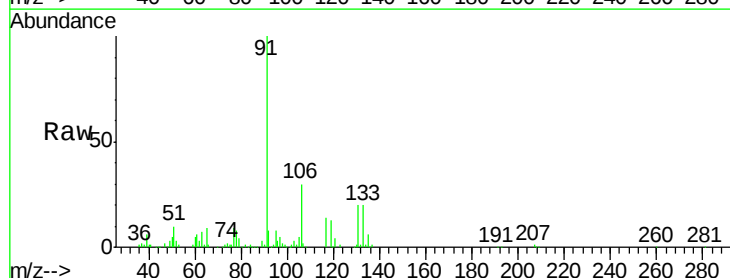
Tgt Ion:131 Resp: 43734

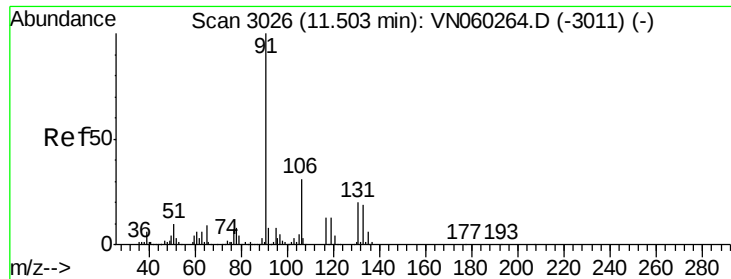
Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

119 67.3 33.2 99.6





#67

Ethyl Benzene

Concen: 18.249 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampled :

VN0228WBS01

Tot Ion: 91 Resp: 217162

Ion Ratio Lower Upper

91 100

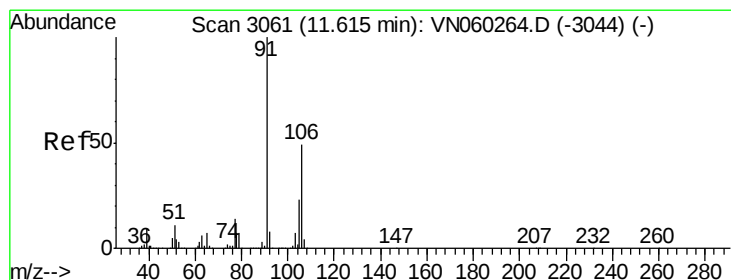
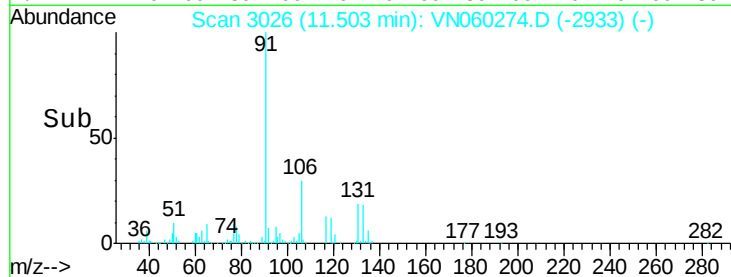
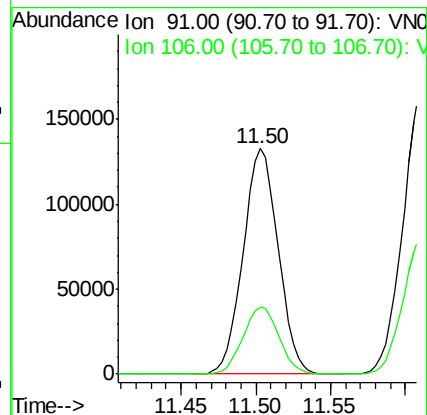
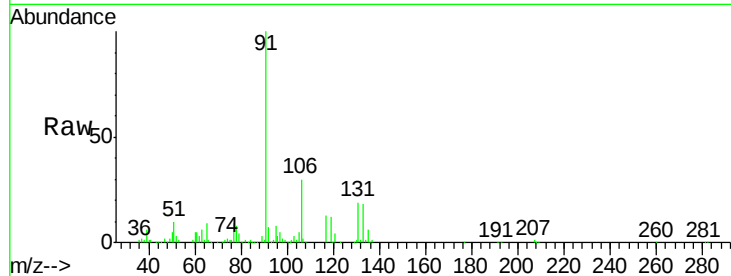
106 30.0 24.7 37.1

Manual Integrations

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MMDadoda

3/2/2020 11:00:44 AM



#68

m/p-Xylenes

Concen: 36.036 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060274.D

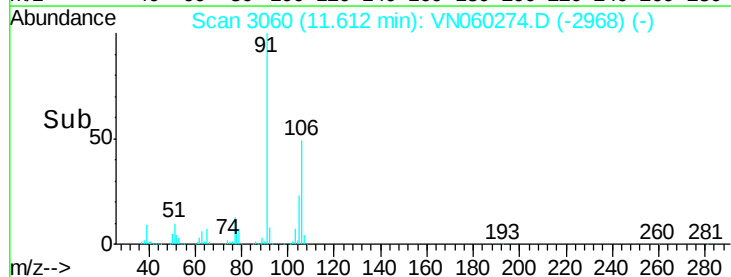
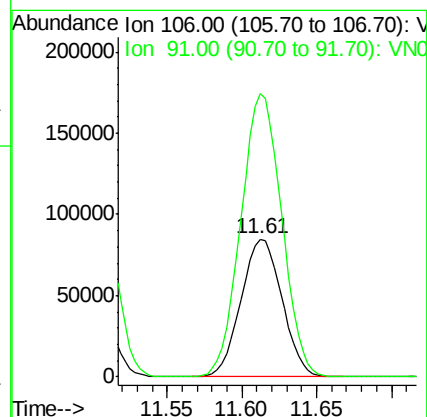
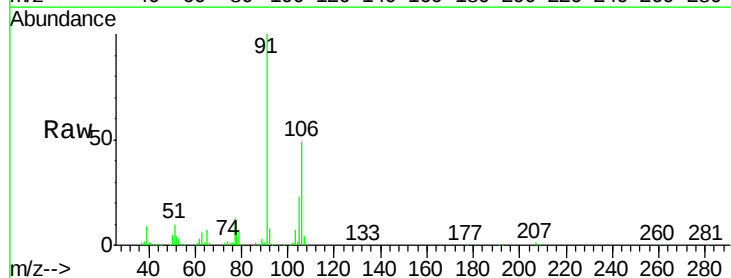
Acq: 28 Feb 2020 11:05

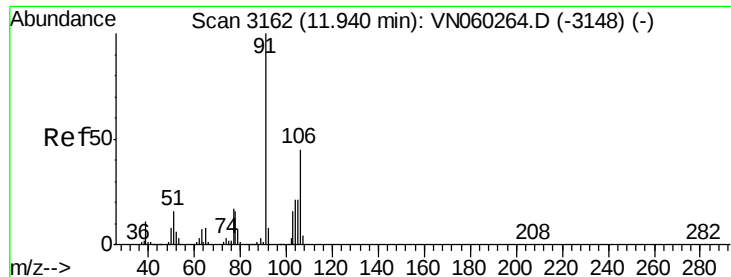
Tgt Ion: 106 Resp: 161794

Ion Ratio Lower Upper

106 100

91 205.6 164.5 246.7





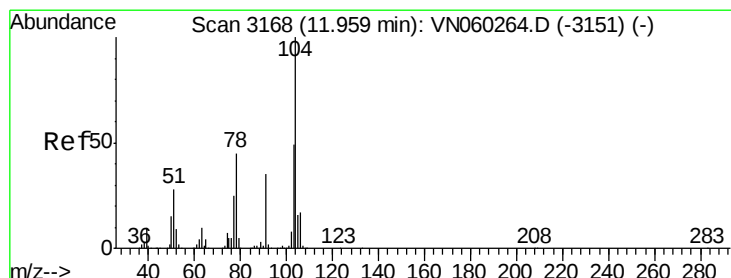
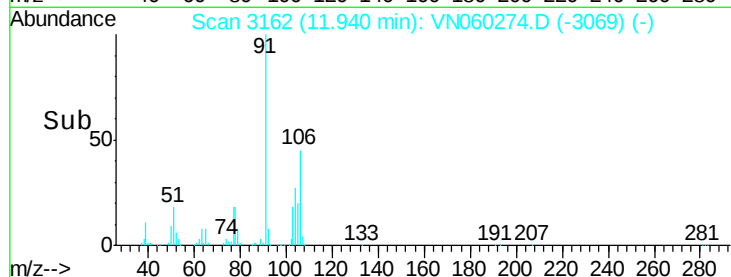
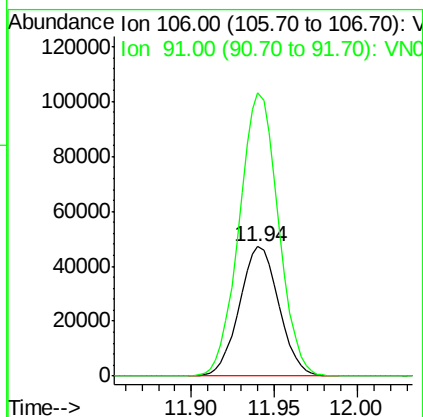
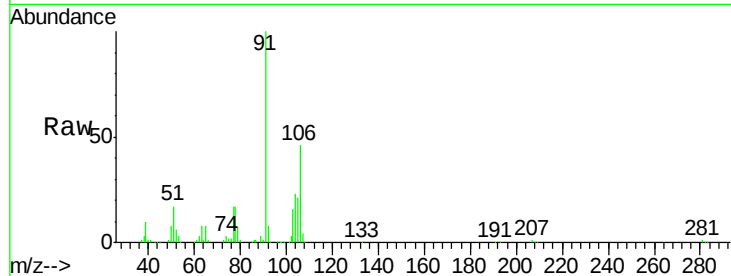
#69  
o-Xylene  
Concen: 18.219 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 216.7 | 109.5 | 328.4 |       |

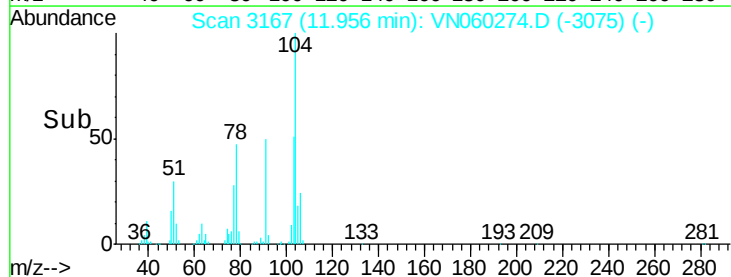
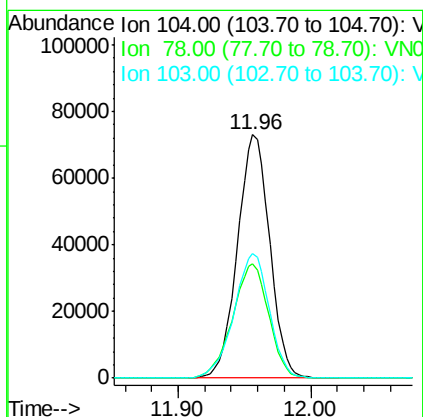
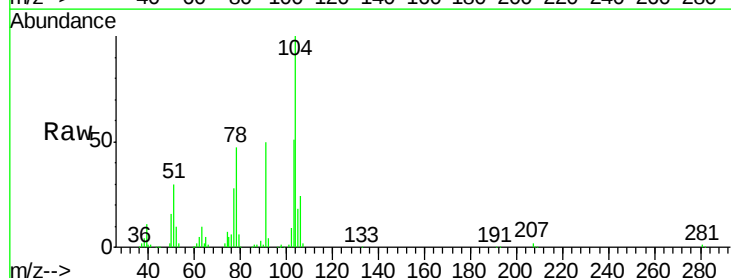
Manual Integrations  
APPROVED

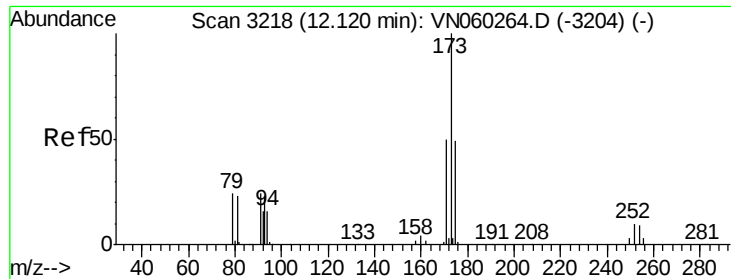
MMDadoda  
3/2/2020 11:00:44 AM



#70  
Styrene  
Concen: 17.571 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 52.5 | 41.2  | 61.8  |       |
| 103     | 55.9 | 43.9  | 65.9  |       |





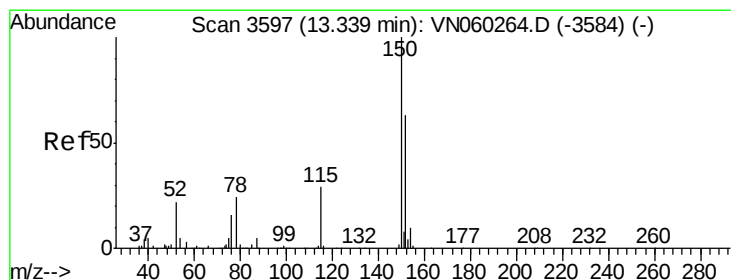
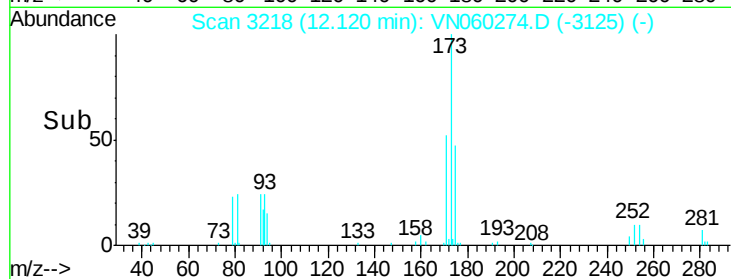
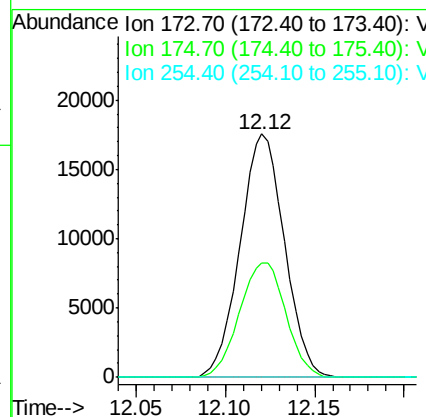
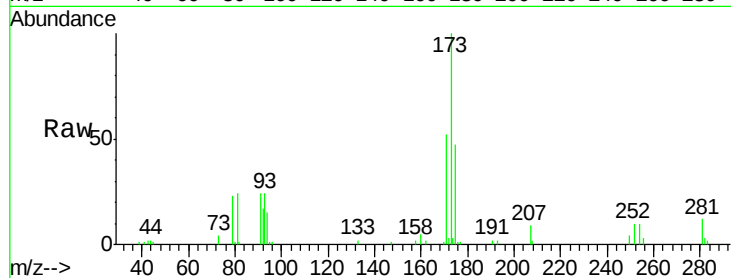
#71  
Bromoform  
Concen: 17.478 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.2  | 24.1  | 72.2  |
| 254     | 0.0   | 0.0   | 0.0   |

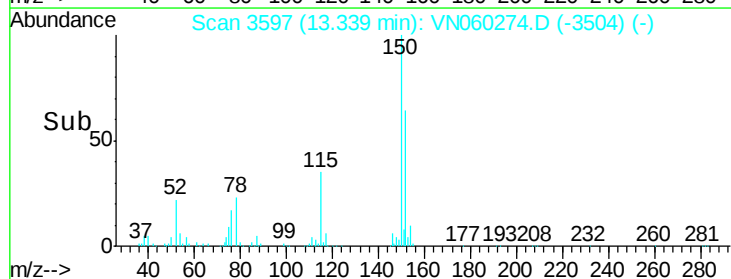
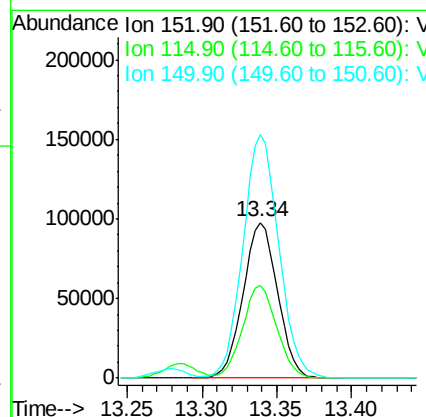
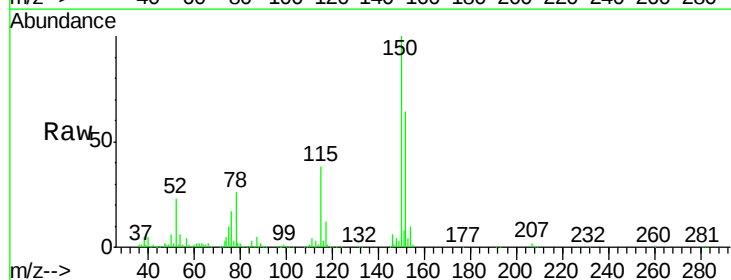
Manual Integrations  
APPROVED

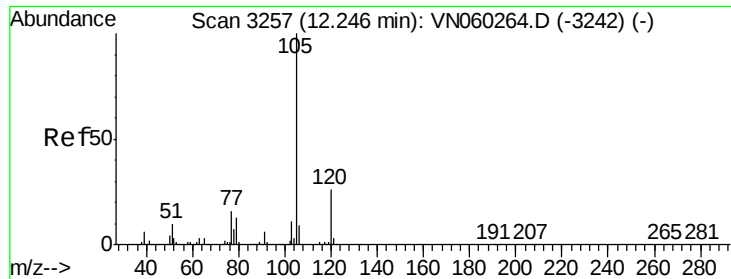
MMDadoda  
3/2/2020 11:00:44 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 30.0  | 90.0  |
| 150     | 163.2 | 0.0   | 349.6 |





#73

Isopropylbenzene

Concen: 18.009 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

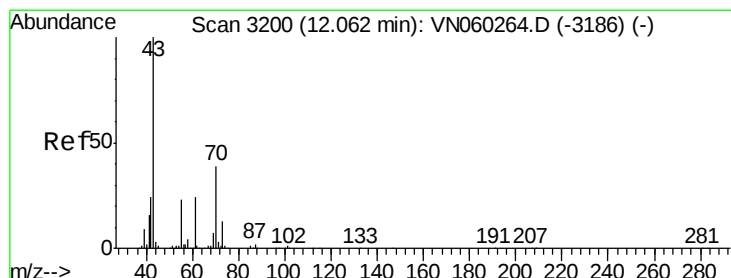
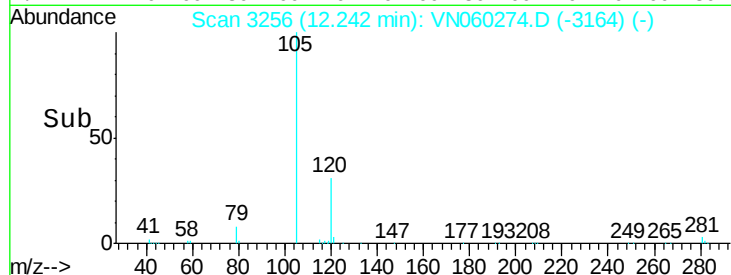
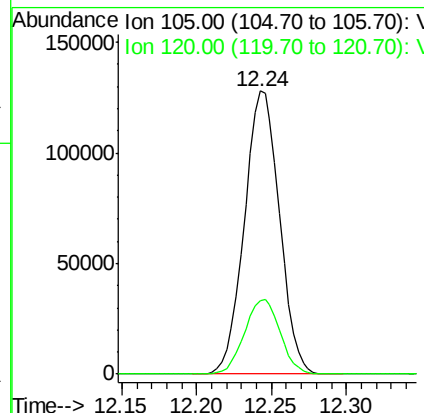
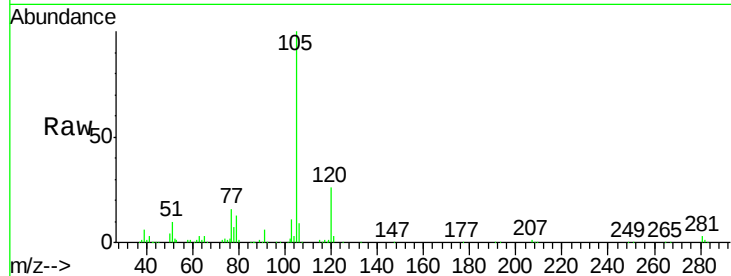
ClientSampled :

VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.7  | 13.0  | 38.9  |

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3/2/2020 11:00:44 AM



#74

N-ethyl acetate

Concen: 16.896 ug/l

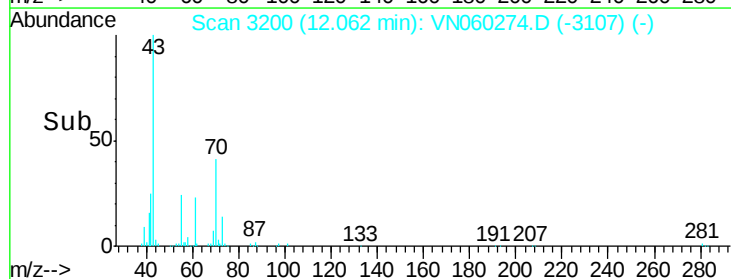
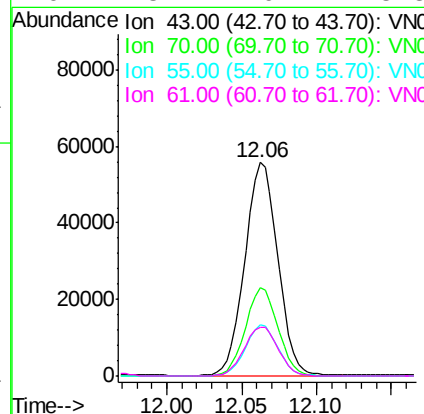
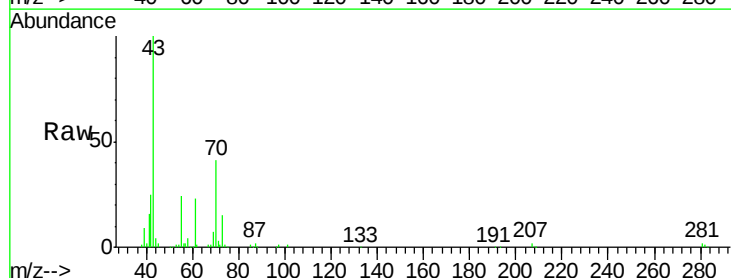
RT: 12.06 min Scan# 3200

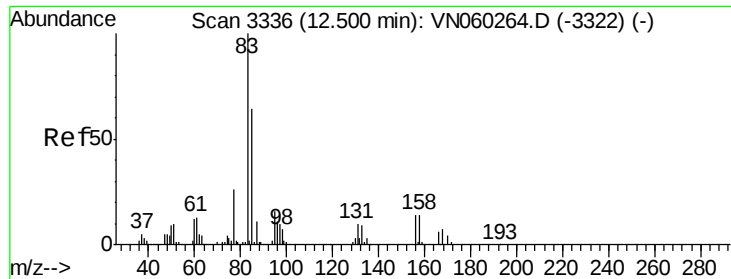
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 40.8  | 32.2  | 48.2  |
| 55      | 23.8  | 18.2  | 27.4  |
| 61      | 23.7  | 19.2  | 28.8  |





#75

1,1,2,2-Tetrachloroethane

Concen: 17.800 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

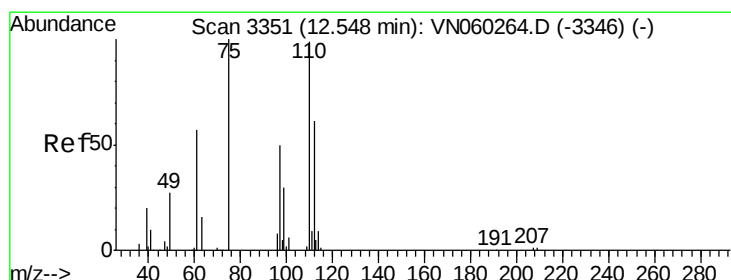
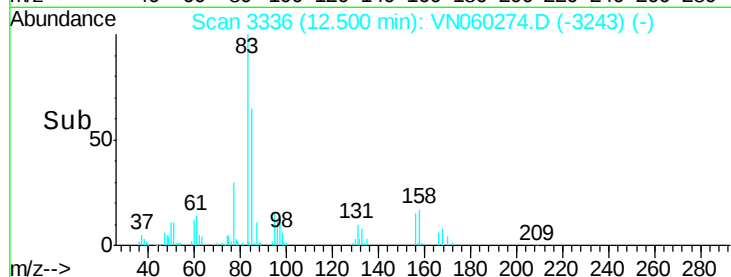
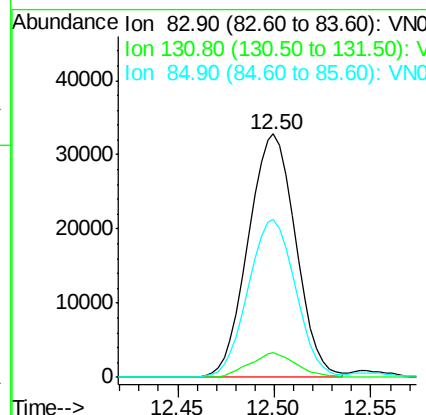
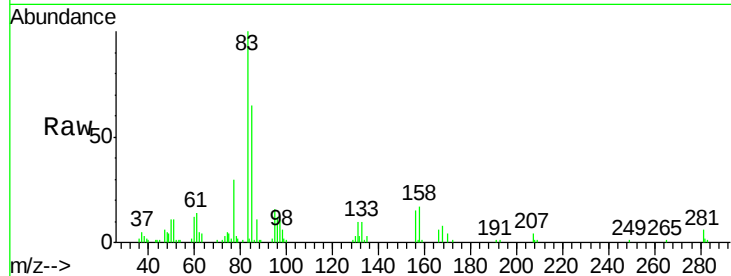
ClientSampleId :

VN0228WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 56088 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.0  | 5.1   | 15.3  |
| 85        | 64.8  | 32.3  | 96.8  |

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3/2/2020 11:00:44 AM



#76

1,2,3-Trichloropropane

Concen: 15.744 ug/l m

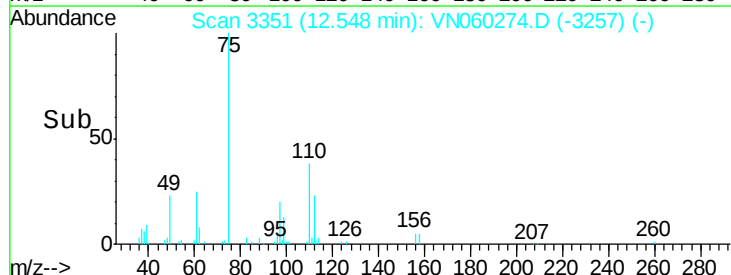
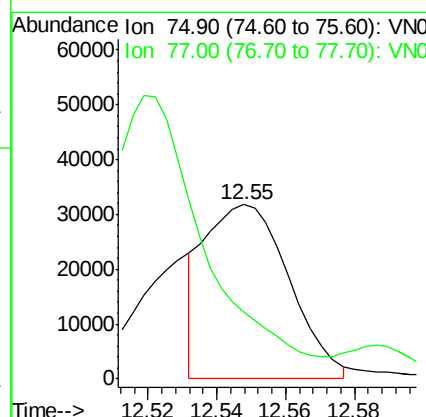
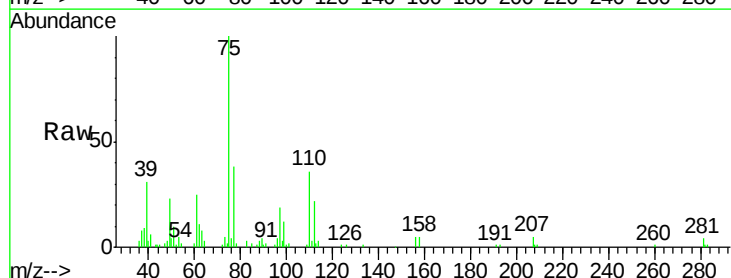
RT: 12.55 min Scan# 3351

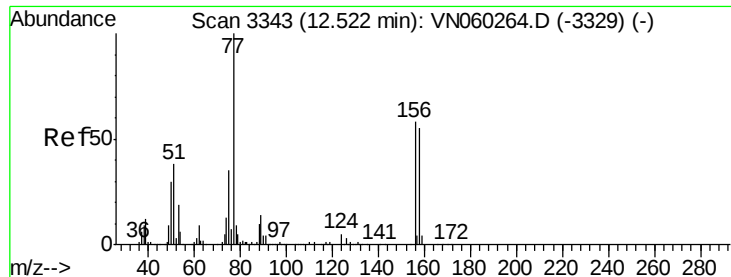
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 54026 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 17.857 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

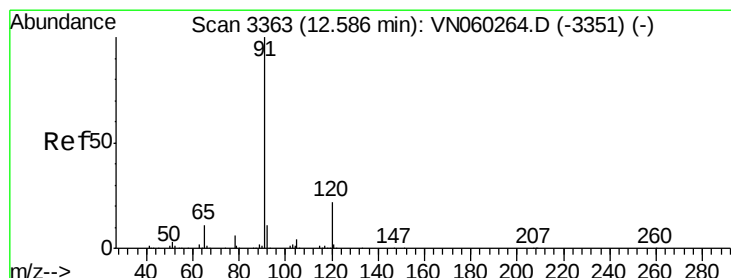
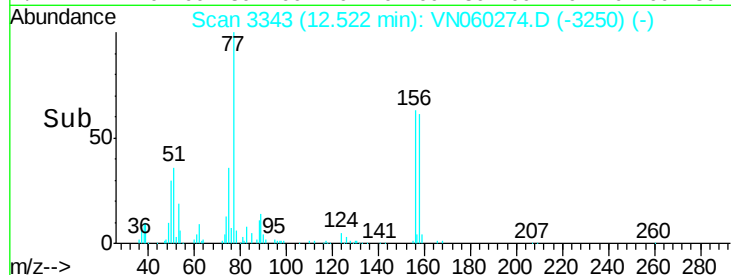
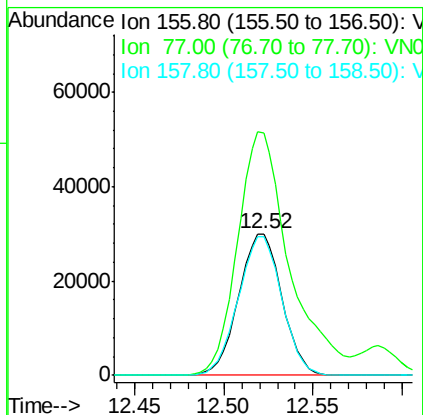
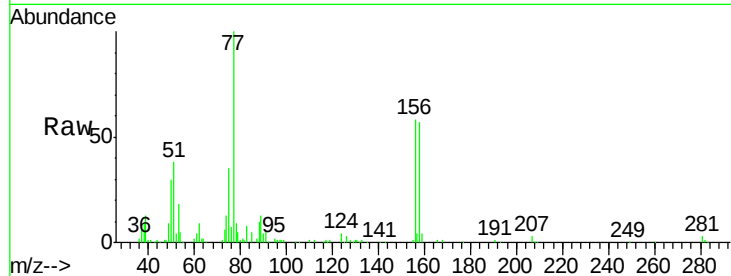
ClientSampleId :

VN0228WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 50741 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 206.7 | 106.1 | 318.3 |
| 158       | 99.1  | 48.3  | 144.8 |

Manual Integrations  
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3/2/2020 11:00:44 AM



#78

n-propylbenzene

Concen: 17.979 ug/l

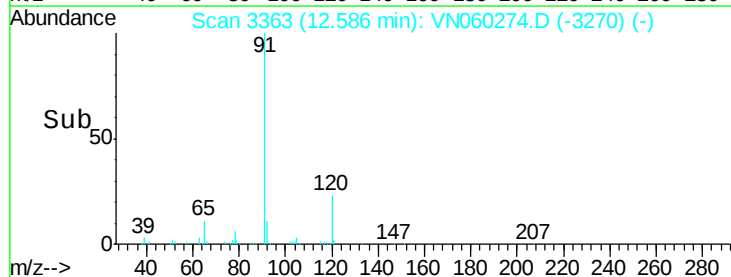
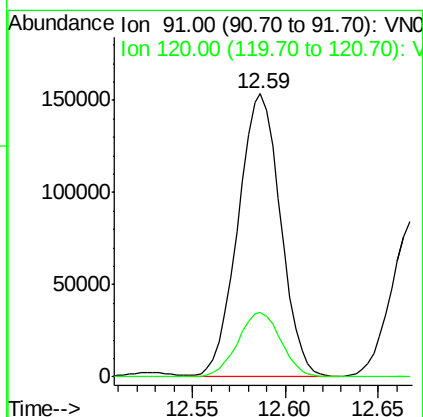
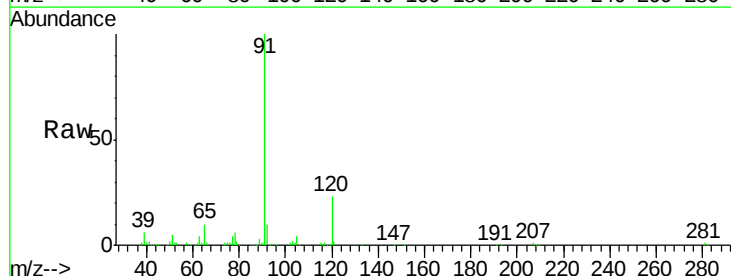
RT: 12.59 min Scan# 3363

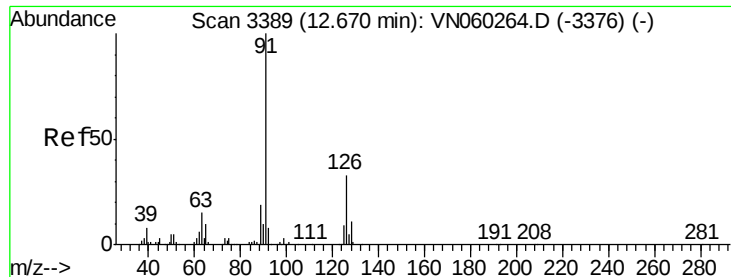
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 244299 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.2  | 11.3  | 33.9   |





#79

2-Chlorotoluene

Concen: 17.902 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

ClientSampleId :

VN0228WBS01

Tot Ion: 91 Resp: 142992

Ion Ratio Lower Upper

91 100

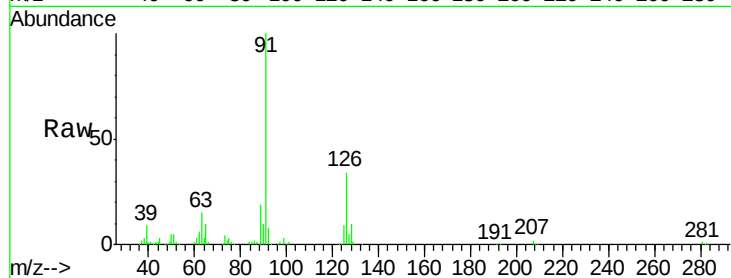
126 33.9 16.6 49.8

Manual Integrations

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MMDadoda

3/2/2020 11:00:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)

150000

100000

50000

0

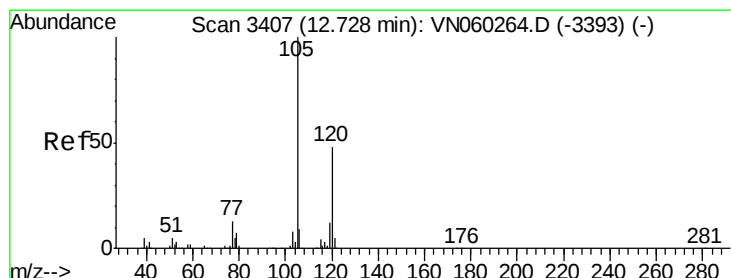
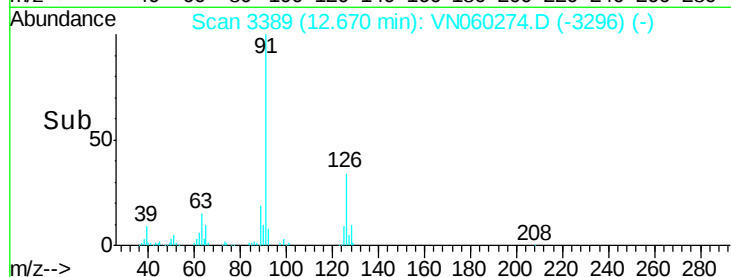
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.281 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060274.D

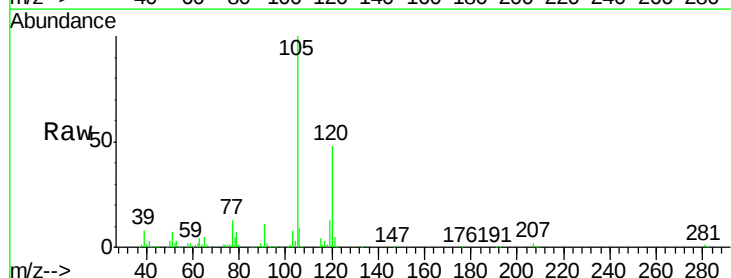
Acq: 28 Feb 2020 11:05

Tgt Ion: 105 Resp: 178430

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)

120000

100000

80000

60000

40000

20000

0

12.73

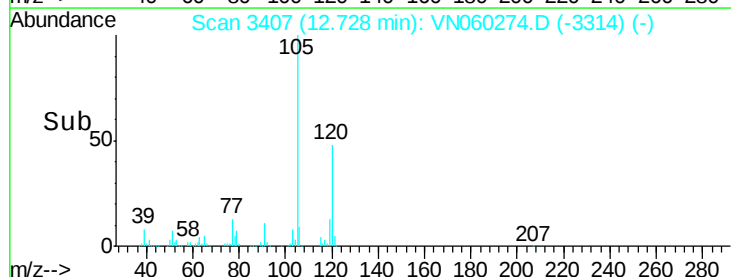
12.65

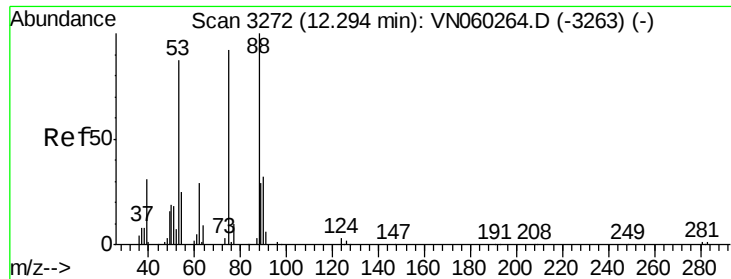
12.70

12.75

12.80

Time-->





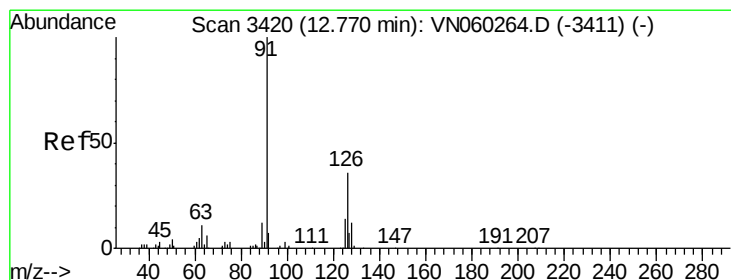
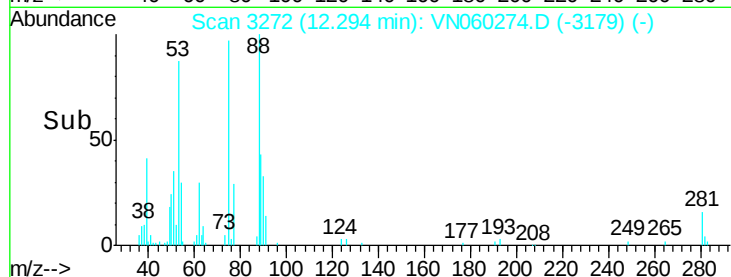
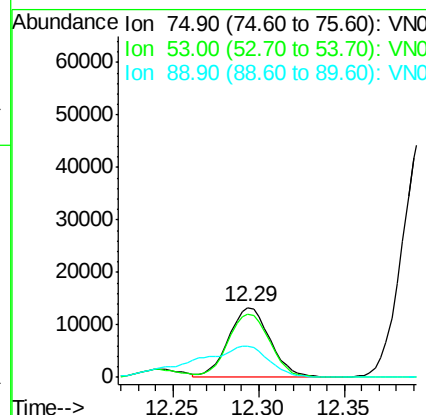
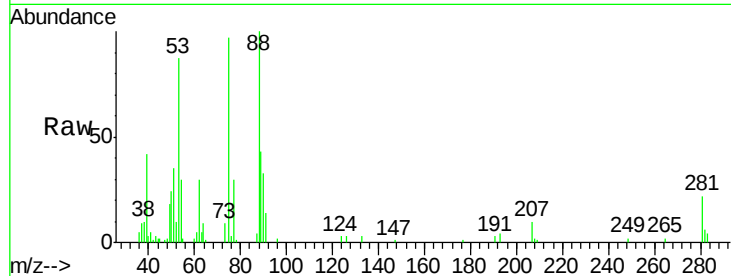
#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.315 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 94.9  | 73.8  | 110.6 |
| 89      | 82.7  | 57.1  | 85.7  |

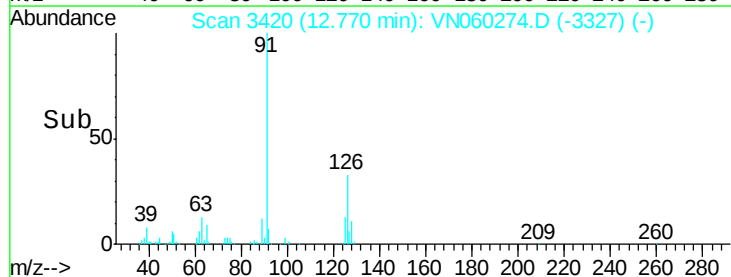
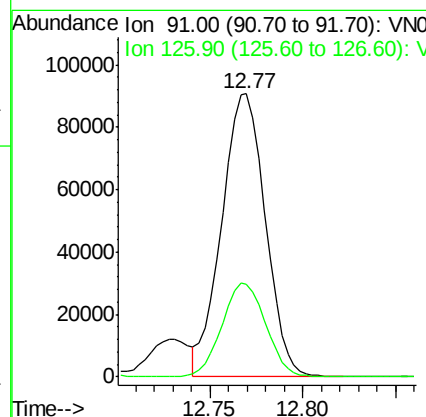
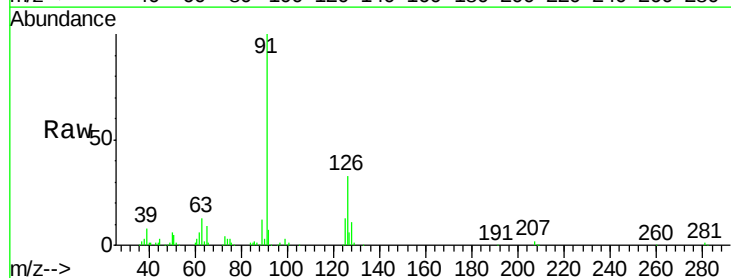
Manual Integrations  
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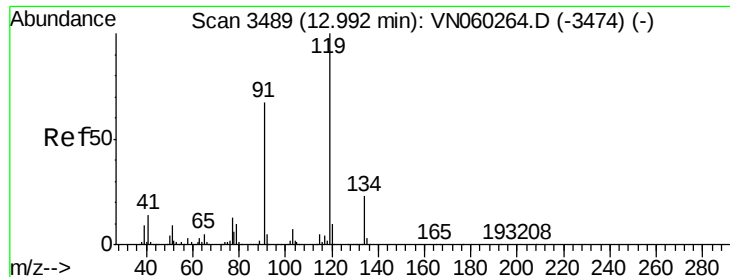
MMDadoda  
3/2/2020 11:00:44 AM



#82  
4-Chlorotoluene  
Concen: 17.668 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.1  | 16.7  | 50.1  |





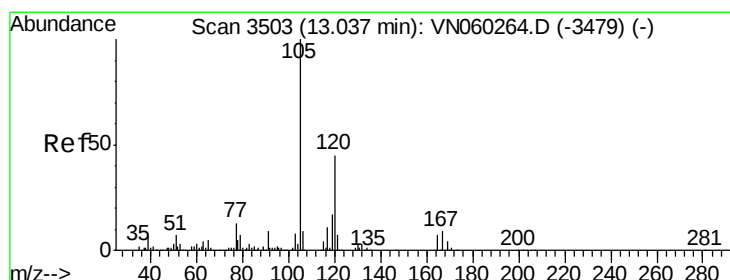
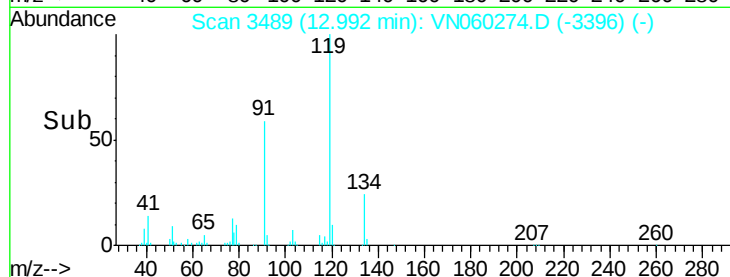
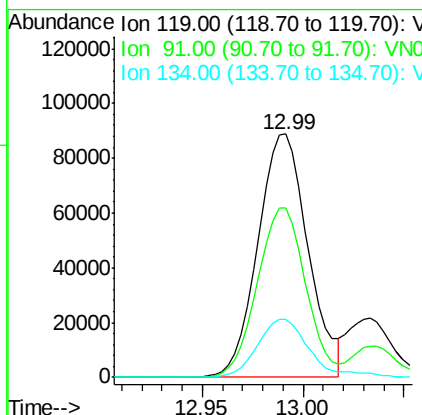
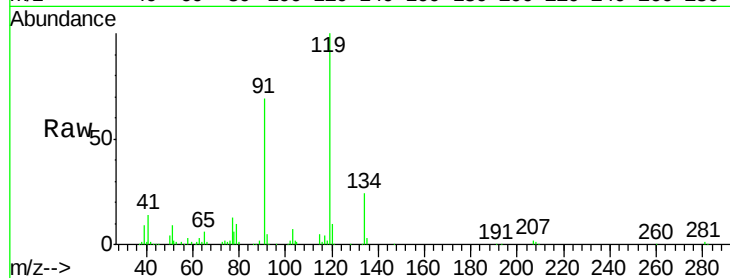
#83  
tert-Butylbenzene  
Concen: 18.210 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.2  | 33.1  | 99.2  |
| 134     | 24.7  | 12.4  | 37.0  |

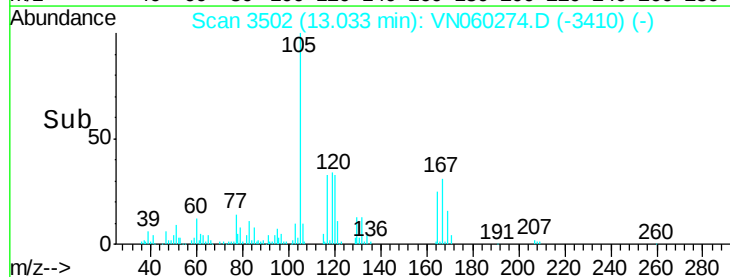
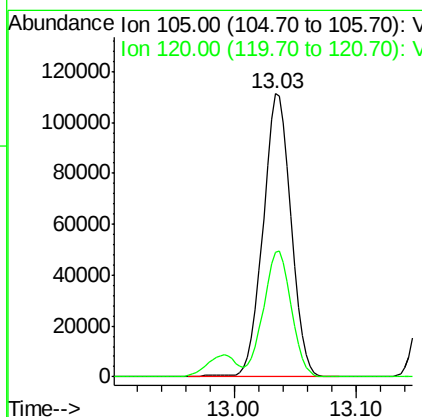
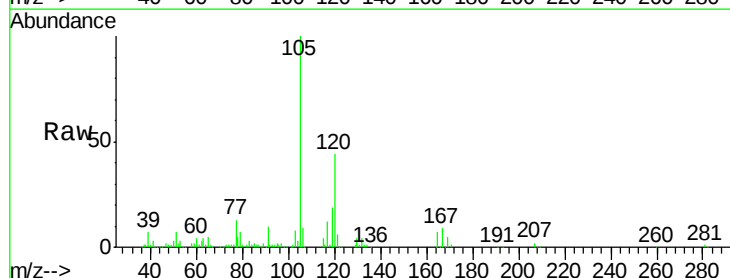
Manual Integrations  
APPROVED

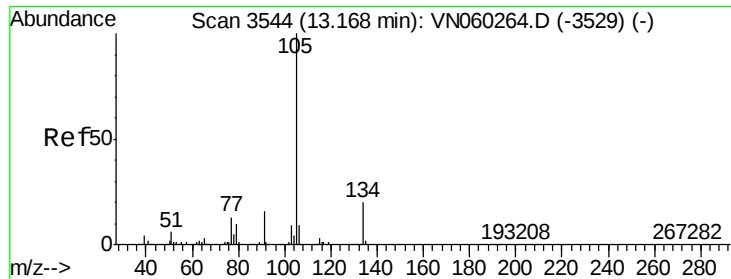
MMDadoda  
3/2/2020 11:00:44 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 18.023 ug/l  
RT: 13.03 min Scan# 3502  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.2  | 22.3  | 66.9  |





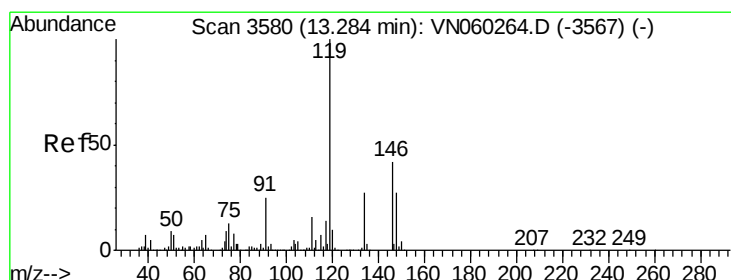
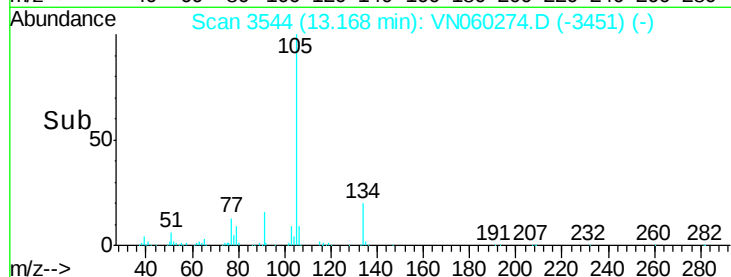
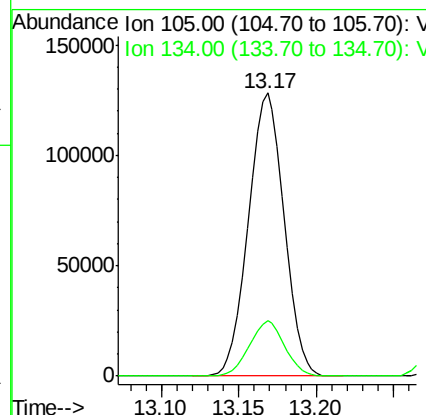
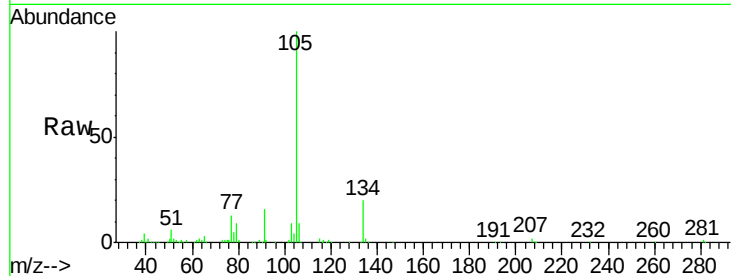
#85  
 sec-Butylbenzene  
 Concen: 18.228 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 206264 |       |       |
| 134     | 19.3  | 9.8    | 29.5  |       |

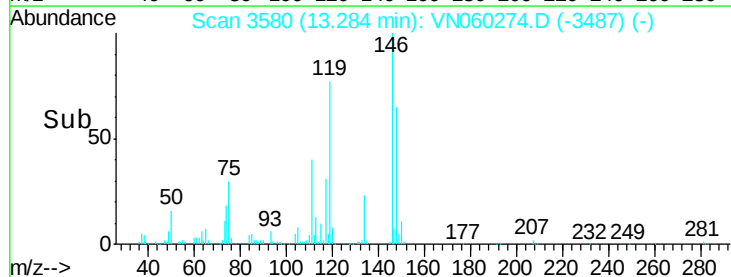
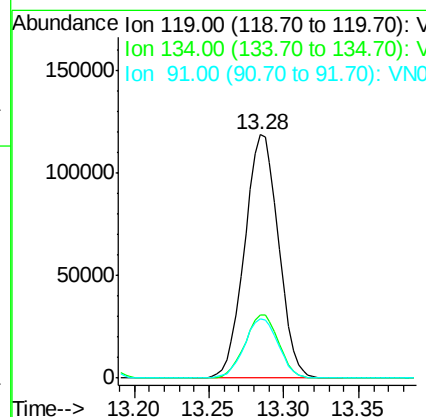
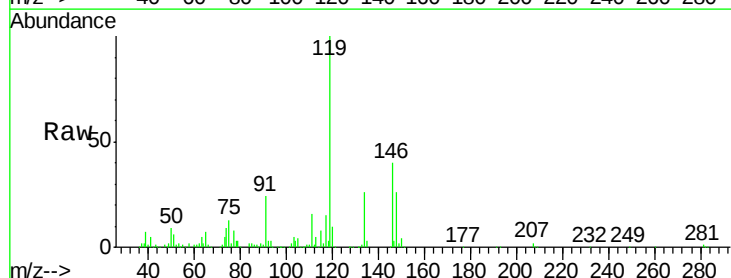
Manual Integrations  
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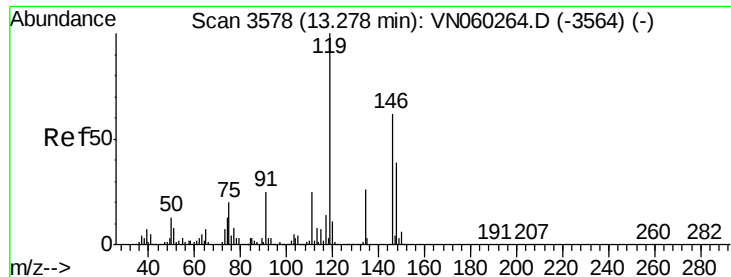
MMDadoda  
 3/2/2020 11:00:44 AM



#86  
 p-Isopropyltoluene  
 Concen: 17.710 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 185489 |       |       |
| 134     | 26.1  | 13.2   | 39.6  |       |
| 91      | 24.6  | 12.2   | 36.6  |       |





#87

1,3-Dichlorobenzene

Concen: 18.508 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060274.D

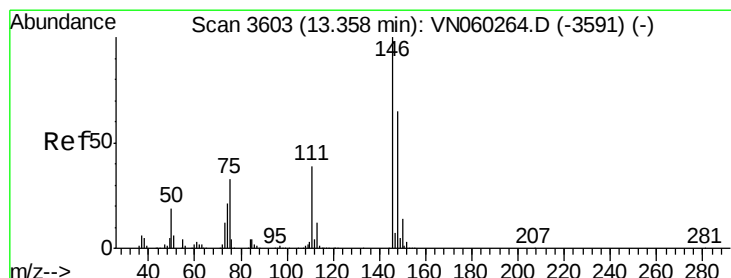
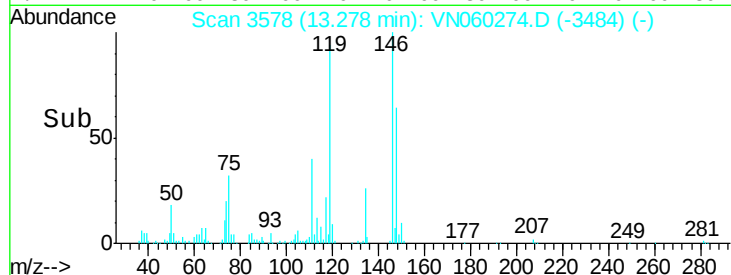
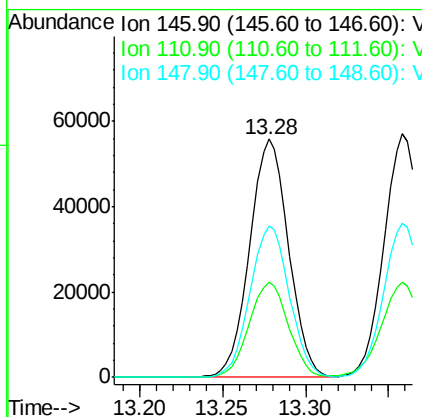
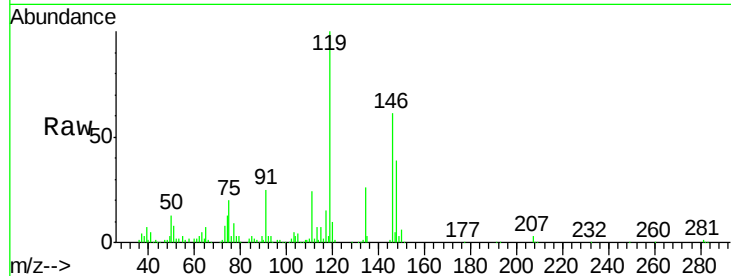
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 20.0  | 59.9  |
| 148     | 64.5  | 32.1  | 96.3  |

Manual Integrations  
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MMDadoda  
3/2/2020 11:00:44 AM



#88

1,4-Dichlorobenzene

Concen: 18.543 ug/l

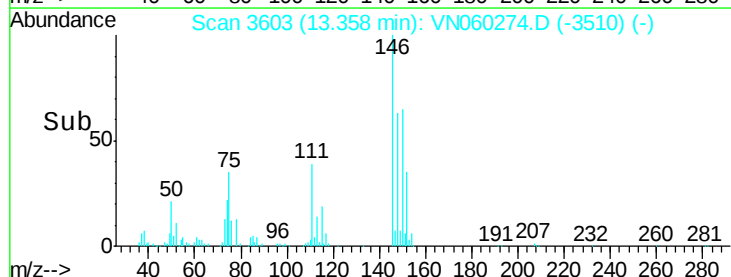
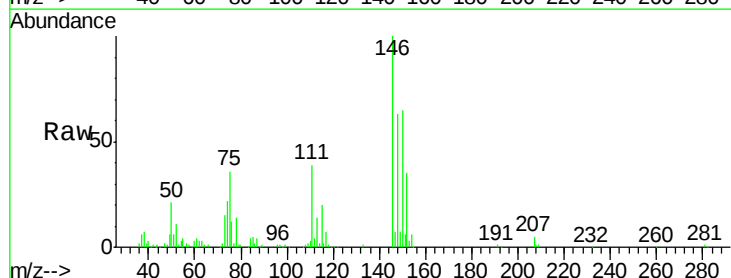
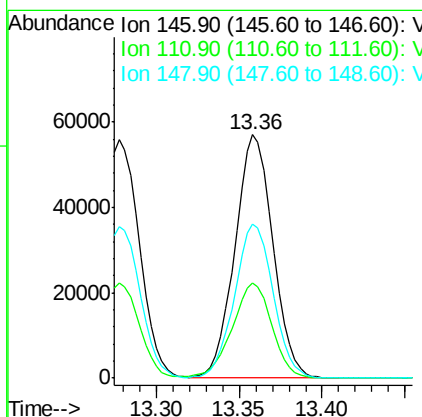
RT: 13.36 min Scan# 3603

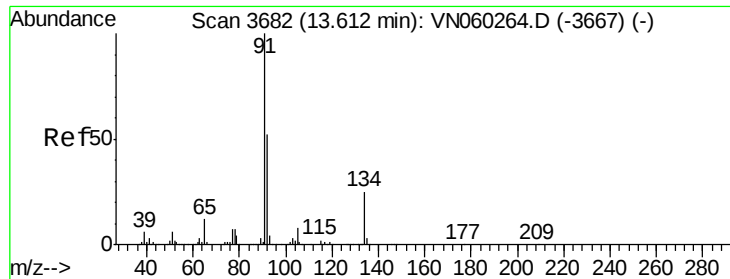
Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 19.8  | 59.4  |
| 148     | 64.4  | 32.3  | 96.9  |





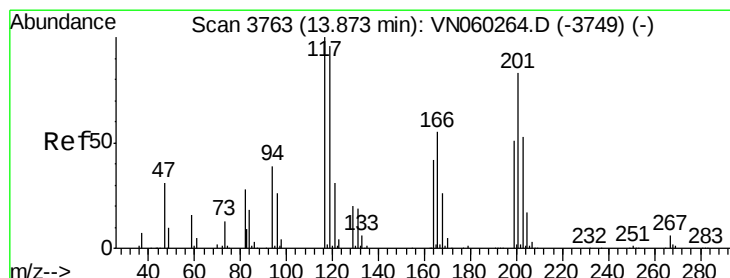
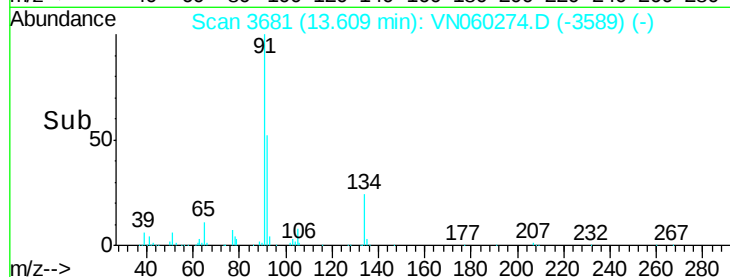
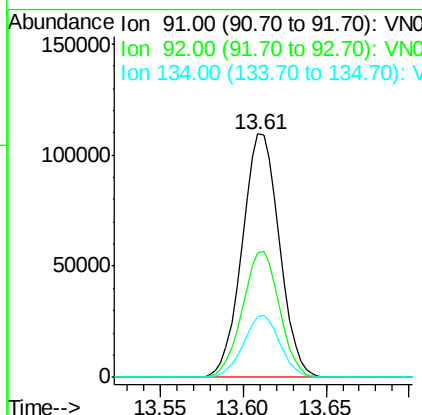
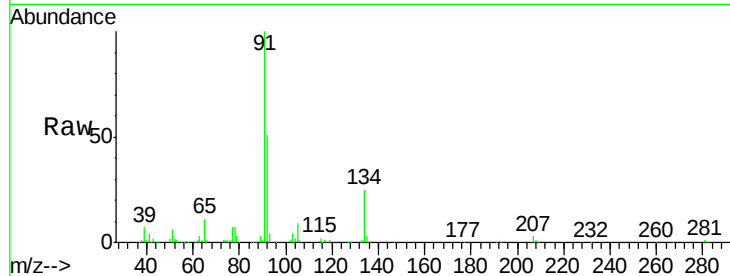
#89  
n-Butylbenzene  
Concen: 17.749 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.4  | 26.0  | 78.0  |
| 134     | 25.1  | 12.7  | 38.1  |

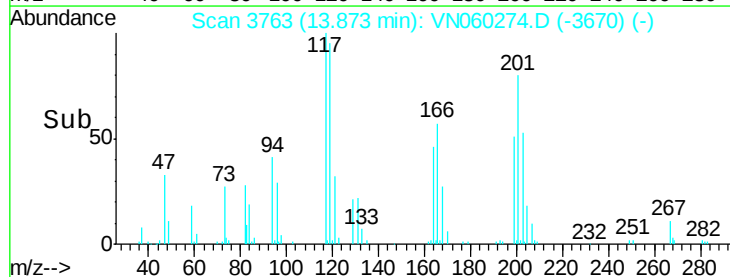
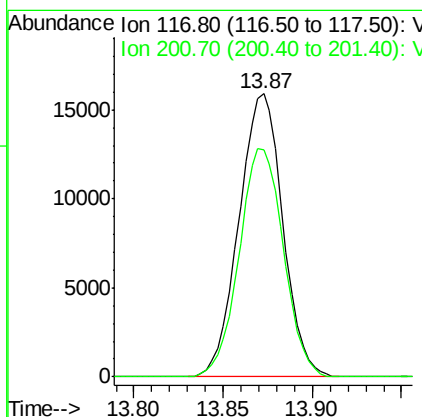
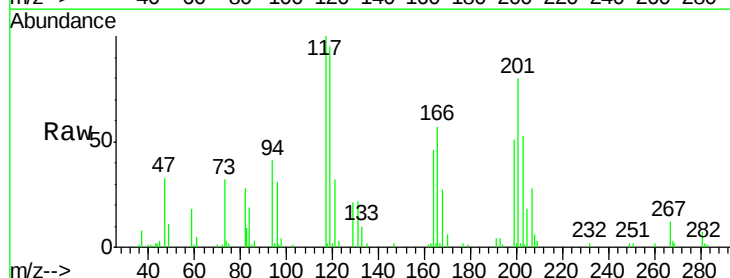
Manual Integrations  
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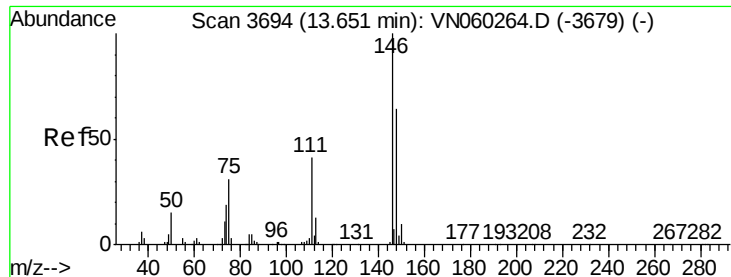
MMDadoda  
3/2/2020 11:00:44 AM



#90  
Hexachloroethane  
Concen: 17.969 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN060274.D  
Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.3  | 41.0  | 123.0 |





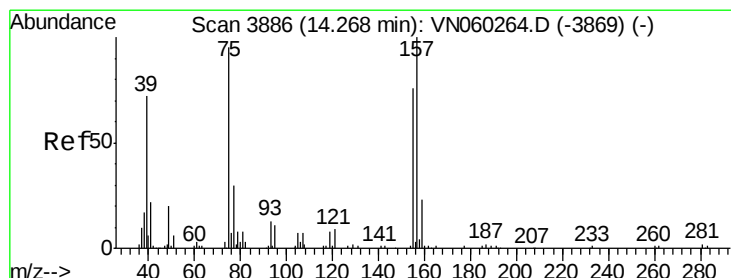
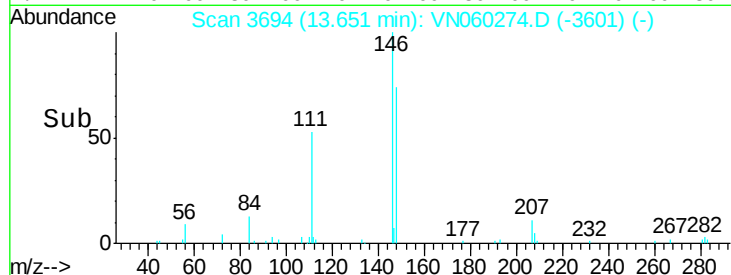
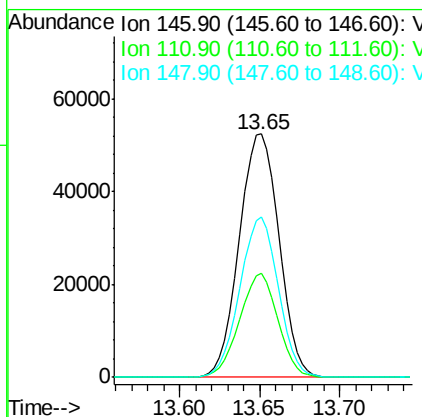
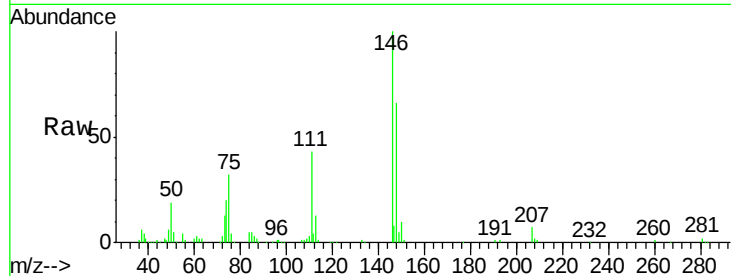
#91  
 1,2-Dichlorobenzene  
 Concen: 17.919 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.3  | 61.0  |
| 148     | 63.6  | 31.8  | 95.3  |

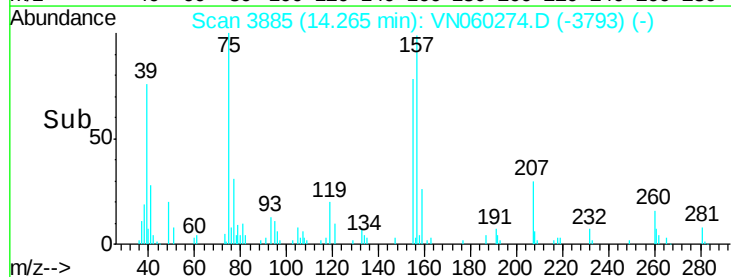
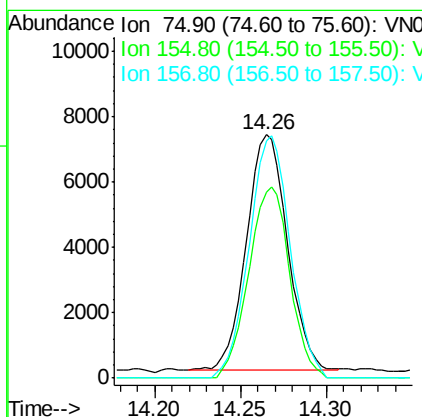
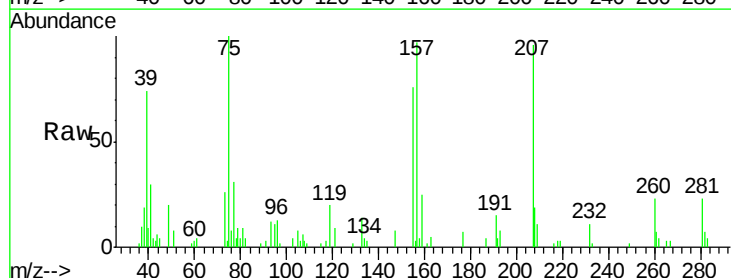
Manual Integrations  
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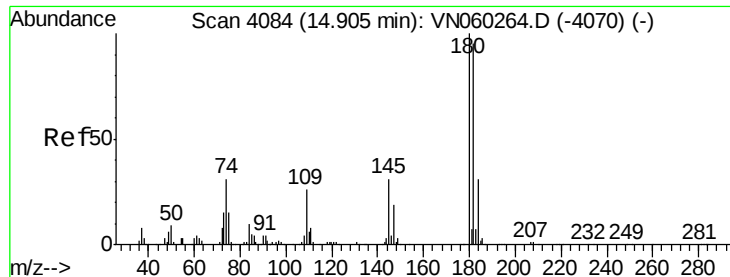
MMDadoda  
 3/2/2020 11:00:44 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 16.629 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.3  | 40.4  | 121.2 |
| 157     | 103.8 | 52.5  | 157.5 |





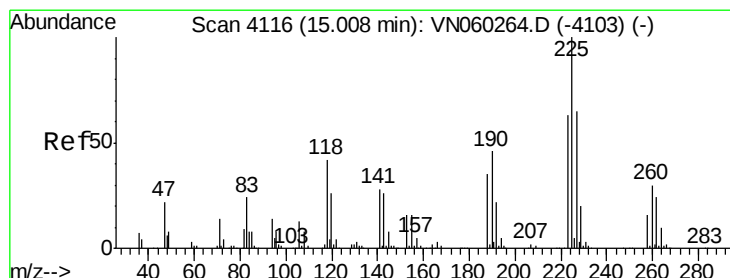
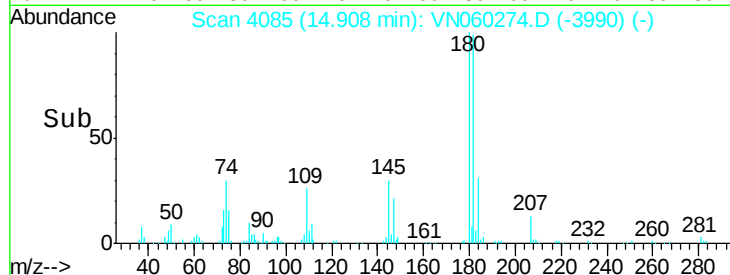
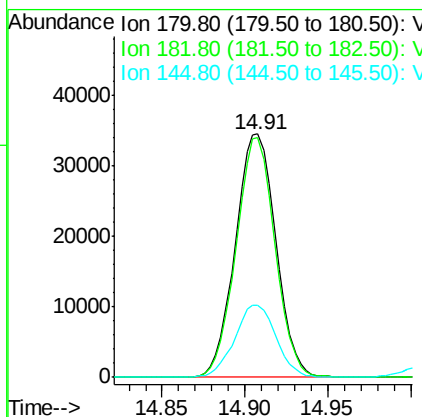
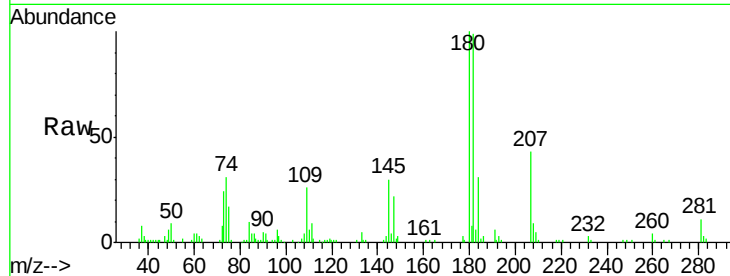
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.636 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0228WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 58785 |       |       |
| 182     | 94.8  | 47.8  | 143.3 |       |
| 145     | 30.0  | 15.4  | 46.1  |       |

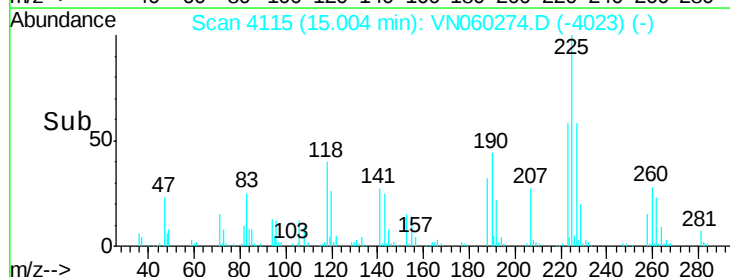
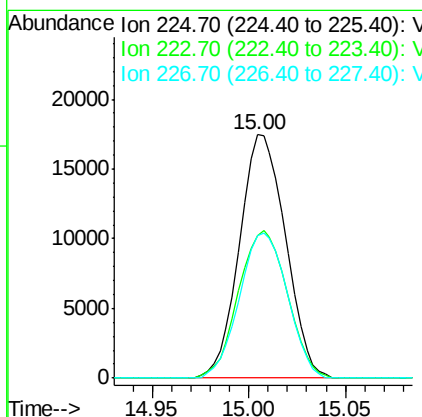
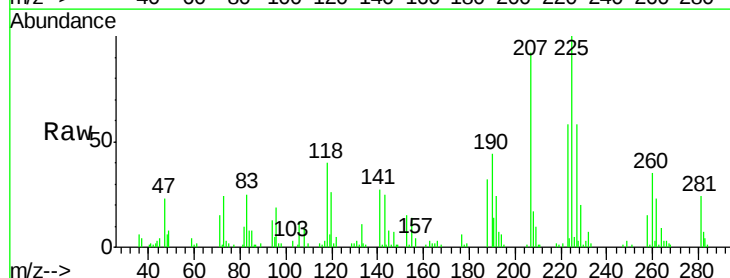
Manual Integrations  
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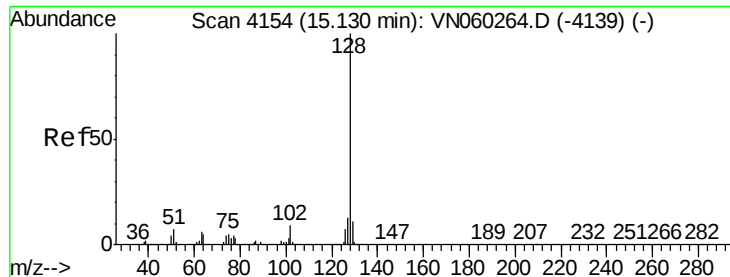
MMDadoda  
 3/2/2020 11:00:44 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.588 ug/l  
 RT: 15.00 min Scan# 4115  
 Delta R.T. -0.00 min  
 Lab File: VN060274.D  
 Acq: 28 Feb 2020 11:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 28994 |       |       |
| 223     | 64.1  | 31.3  | 93.9  |       |
| 227     | 61.8  | 32.3  | 96.9  |       |





#95

Naphthalene

Concen: 17.418 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

Instrument :

MSVOA\_N

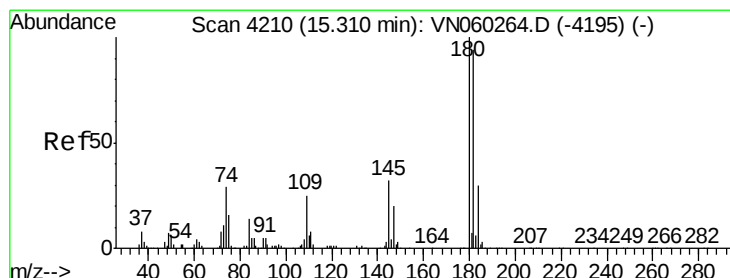
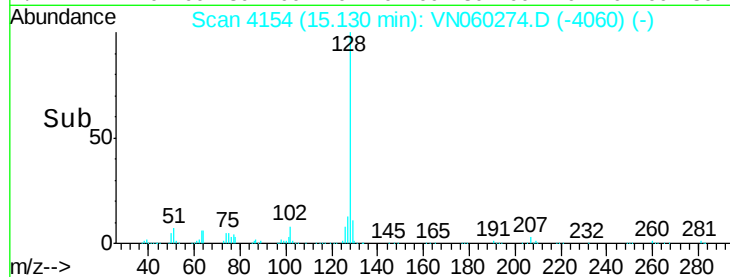
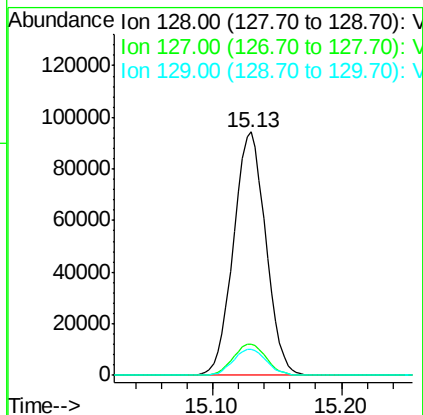
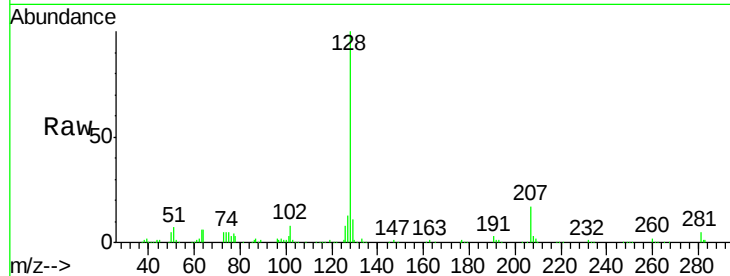
ClientSampleId :

VN0228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 163971 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 11.0  | 8.6   | 13.0   |

Manual Integrations  
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3/2/2020 11:00:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.689 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060274.D

Acq: 28 Feb 2020 11:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 56027 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.0  | 47.3  | 142.0 |
| 145       | 32.3  | 16.2  | 48.5  |

